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Project Title/Work Order Clean Salt Integrated Flowsheet		EDT No. 161787 <hr/> ECN No. N/A

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1. EDT

161787

2. To: (Receiving Organization) Office of Technology Integration (8AA00)	3. From: (Originating Organization) Chemical Engineering Laboratory (8A400)	4. Related EDT No.: N/A
5. Proj./Prog./Dept./Div.: TTP No. RL4-4-20-02	6. Cog. Engr.: T. R. Lunsford	7. Purchase Order No.: N/A
8. Originator Remarks: Transmittal of this Document is made to fulfill DOE-RL Milestone 3 in TTP RL4-4-20-02, due September 30, 1994		9. Equip./Component No.: N/A
		10. System/Bldg./Facility: N/A
11. Receiver Remarks:		12. Major Assm. Dwg. No.: N/A
		13. Permit/Permit Application No.: N/A
		14. Required Response Date: N/A

[illegible]

16.		KEY			
Approval Designator (F)	Reason for Transmittal (G)		Disposition (H) & (I)		
E, S, Q, D or N/A (see WHC-CM-3-5, Sec.12.7)	1. Approval	4. Review	1. Approved	4. Reviewed no/comment	
	2. Release	5. Post-Review	2. Approved w/comment	5. Reviewed w/comment	
	3. Information	6. Dist. (Receipt Acknow. Required)	3. Disapproved w/comment	6. Receipt acknowledged	

[illegible]

18.	19.	20.	21. DOE APPROVAL (if required) Ctrl. No.
TR Lunsford Signature of EDT Originator	JR Berger Authorized Representative for Receiving Organization	MJ Schliebs Cognizant Manager	☐ Approved ☐ Approved w/comments ☐ Disapproved w/comments
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RELEASE AUTHORIZATION

Document Number: WHC-SD-WM-DTR-036, REV 0

Document Title: Clean Salt Integrated Flowsheet

Release Date: 9/27/94

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SUPPORTING DOCUMENT		1. Total Pages 56
2. Title Clean Salt Integrated Flowsheet	3. Number WHC-SD-WM-DTR-036	4. Rev No. 0
5. Key Words Clean Salt Process, technical task plan, sodium nitrate, aluminum nitrate <div style="text-align: center; font-weight: bold; font-size: 1.2em;">APPROVED FOR PUBLIC RELEASE</div> <div style="text-align: left; margin-top: 10px;"><i>KMB 9/27/94</i></div>	6. Author Name: T. R. Lunsford <div style="text-align: center; margin-top: 10px;"> Signature </div> <div style="text-align: right; margin-top: 10px;">Organization/Charge Code 8A400/H2CC1</div>	
7. Abstract <p>The Clean Salt Process (CSP) is a novel waste management scheme that removes sodium nitrate and aluminum nitrate nonahydrate as decontaminated (low specific activity) salts from Hanford's high-level waste (HLW). The full scale process will separate the bulk of the waste that exists as sodium salts from the small portion of the waste that is by definition radioactive and dangerous. This report presents initial conceptual CSP flowsheets and demonstrates the benefit of integrating the process into the Tank Waste Remediation Systems (TWRS) Reference Flowsheet. Total HLW and low-level (LLW) volumes are reported for two different CSP integration options and are compared to the TWRS Reference Flowsheet values. The results for a single glass option eliminating LLW disposal are also reported. This work was performed for the United States Department of Energy's Efficient Separations and Processing Integrated Program under Technical Task Package RL-4-4-20-02, "Significant Volume Reduction of Tank Waste by Selective Crystallization". This report satisfies Milestone #3, "Complete Optimized Flowsheet".</p>		
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9. Impact Level N/A		

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1.0 INTRODUCTION

The Clean Salt Process (CSP) is a novel waste management scheme that removes sodium nitrate and aluminum nitrate nonahydrate as decontaminated (low specific activity) salts from Hanford's high-level waste (HLW). The full scale process will separate the bulk of the waste that exists as sodium salts from the small portion of the waste that is by definition radioactive and dangerous. Flowsheet analysis show that the CSP can reduce the amount of low-level waste (LLW) by up to 90 weight percent (wt%).

This report presents flowsheets and demonstrates the benefit of integrating the process into the Tank Waste Remediation Systems (TWRS) Reference Flowsheet. This work was performed for the United States Department of Energy's Efficient Separations and Processing Integrated Program (ESPIP) under Technical Task Package RL-4-4-20-02, "Significant Volume Reduction of Tank Waste by Selective Crystallization". This report satisfies Milestone #3, "Complete Optimized Flowsheet".

Pertinent background information is presented in Section 2.0 of this report. Section 3.0 discusses flowsheet assumptions and flowsheet theory. Total HLW and LLW volumes are reported for two different CSP integration options and are compared to the TWRS Reference Flowsheet values in Section 4.0. The results for a single glass option eliminating LLW disposal are also reported in Section 4.0. Details on future developments are presented in Section 5.0.

2.0 BACKGROUND

2.1 Hanford High-Level Tank Waste

Hanford HLW is a collection of highly radioactive salts in 177 underground storage tanks. All together the tanks hold 230,000 Metric Tonnes (MT) of chemicals (excluding water) and have approximately 250 megacuries (MCi) of radioactivity (Boomer et al. 1993). Of the total chemical inventory, approximately 90 wt% are inert salts of sodium and aluminum broken down as follows:

- 67,000 MT of sodium
- 4,300 MT of aluminum
- 109,000 MT of nitrate
- 9,500 MT of nitrite
- 15,000 MT of hydroxide
- 25,200 MT other

Approximately 101 MCi of the total activity (decayed to December 1990) is due to cesium (Boomer et al. 1993).

2.2 TWRS Reference Flowsheet

Hanford's Tank Waste Remediation Systems has established a baseline treatment scheme known as the TWRS Reference Flowsheet. As shown in Figure 2-1, waste treated by this scheme will undergo a series of treatment steps including enhanced sludge washing, cesium ion exchange (CSIX), followed by HLW and LLW stabilization in glass (vitrification). Retrieved waste will be separated into HLW and LLW treatment trains by separating the bulk of the water soluble waste from the mostly insoluble radioactive species. Aluminum, chromium, and phosphate compounds will be solubilized by mixing the waste with a concentrated sodium hydroxide and sodium nitrite solutions. Soluble salts in the waste will be separated from the insoluble species in a series of wash/settle/decant operations using dilute sodium hydroxide and sodium nitrite. The decanted aqueous stream is the LLW stream. Cesium is separated by ion exchange from the LLW stream before vitrification. The cesium joins the insoluble HLW that will be vitrified in another facility.

A baseline material balance has been calculated for the TWRS Reference Flowsheet. The TWRS flowsheet tracks all process streams through all the waste processes to predict total quantities of the final waste volumes including all HLW, LLW, waste waters, and air emissions.

Figure 2-1. Simplified TWRS Reference Flowsheet.

2.3 The Clean Salt Process Background

The CSP has been under development for the past two years, most recently being funded by the ESPIP. The process got its start when it was postulated that non-radioactive or decontaminated sodium nitrate could be fractionally crystallized from the aqueous portion of an HLW wash. Further if the dissolved waste were acidified, the dissolved aluminate would be converted to aluminum nitrate, the hydroxide would be neutralized and converted into more sodium nitrate, and the nitrite would be oxidized to nitrate. All of which simplifies the crystallization chemistry. Westinghouse Hanford's Process Chemistry Laboratory (PCL) performed some small scale non-radioactive studies to prove the chemistry would in fact work as planned. Similar studies were also performed by the PCL on actual tank samples and demonstrated that in fact decontaminated sodium nitrate could be recovered from radioactive tank waste with a series of four recrystallizations (Herting 1993).

Under funding from the ESPIP, the study was expanded to explore the process chemistry of the CSP with additional radioactive laboratory studies of crystal growth rate and occlusion rates. In addition, Dr. Alan Randolph of the University of Arizona was contracted in May of 1994 to explore the continuous crystallization process and process scale-up possibilities. Dr. Randolph has been exploring the Mixed Slurry, Mixed Product Reactor crystallizer with fines recovery (Herting 1994).

3.0 FLOWSHEET ASSUMPTIONS

The various flowsheets used in this study were created with the ASPEN PLUS¹ steady-state computer modeling program which was used for TWRS Reference Flowsheet. This program required the estimation of operational and certain performance parameters. This section will detail the significant flowsheet assumptions.

3.1 Flowsheet Feed Streams

The feed stream used in this study assumes the entire Hanford HLW tank inventory is a single homogenous feed. The main chemical and radiological constituents of the three feed streams used in the preparation of this study are presented in Table 3-1 in terms of total metric tonnes (MT) and megacuries (MCi). The TWRS reference feed stream was used for each of the flowsheets into which the CSP was integrated. The pre-CSIX and post-CSIX feed streams are intermediate streams from the TWRS Reference Flowsheet that were used for developing the CSP flowsheets.

Table 3-1. Flowsheet Design Feed Streams.

	Feed Stream Compositions		
	TWRS Reference	Pre-CSIX	Post-CSIX
Total Mass Flow (MT)	7.34E+05	6.28E+05	1.07E+06
Aluminum (MT)	2.66E+03	4.11E+03	4.11E+03
Iron (MT)	9.87E+00	9.85E+00	9.85E+00
Chromium (MT)	4.16E+01	1.32E+02	1.32E+02
Sodium (MT)	6.71E+04	7.61E+04	7.84E+04
Silicon (MT)	1.34E+01	1.34E+01	1.34E+01
Phosphorous (MT)	1.20E+03	1.67E+03	1.67E+03
Nitrite and Nitrate (MT)	1.20E+05	1.20E+05	1.21E+05
Cesium and Barium (MCi)	8.89E+01	8.88E+01	7.00E-01
Strontium and Yttrium (MCi)	1.40E+00	1.40E+00	1.26E+00
Technetium (MCi)	3.07E-02	3.06E-02	3.06E-02
Total Transuranic (MCi)	8.58E-03	8.56E-03	8.56E-03
Total Activity (MCi)	1.46E+02	1.45E+02	4.74E+01

1 ASPEN PLUS is a trademark of Aspen Technology, Inc.

3.2 TWRS Reference Flowsheet Assumptions

Included in this section is a list of key assumptions used in the TWRS Reference Flowsheet. These assumptions are the ones that are important to the CSP flowsheets and to the integrated flowsheets.

- 1) Settle/Decant/Sludge Wash
 - Decanted to 20 wt% solids
 - 85% of solid aluminum, 75% of solid chromium and 70% of solid phosphate solubilizes
 - Wash solution is made up of three molar sodium hydroxide and sodium nitrite.
 - No additional solubilization occurs other than what happens in the enhanced wash.
 - Aqueous stream is concentrated to 7 molar sodium
- 2) Cesium Ion Exchange
 - Removes 99.2 wt% of cesium, 9.9 wt% strontium and calcium
- 3) LLW Glass Melter/Disposal
 - Concentrates to 10 molar sodium
 - Glass constraints are:
 - sodium oxide no greater than 25 wt%
 - sodium and potassium oxides no greater than 30 wt%
 - aluminum oxide equal to exactly 5 wt%
 - calcium oxide equal to exactly 10 wt%
 - silicon oxide greater than 50 wt%
 - Frit additions are optimized to minimize amount of glass, but still meet all specifications.
 - LLW disposal vaults are 5300 cubic meters
 - Vaults are filled with 60 volume percent (vol%) glass and 40 vol% sulfur cement
- 4) HLW Glass Melter
 - Amounts of glass former added is optimized to meet the specifications listed in Table 3-2 and minimize the amount of HLW glass produced.
 - HLW disposal casks are 10 cubic meters filled to 70 vol%

Table 3-2. High-Level Glass Specifications.

Component	Glass		Glass Former	
	Lower	Upper	Lower	Upper
Al2O3	1.0%	11.0%	-	-
B2O3	7.0%	17.0%	7.0%	19.0%
CaO	-	7.0%	-	-
Cr2O3	-	0.5%	-	-
Fe2O3	-	12.0%	-	-
Li2O	2.0%	6.0%	5.0%	9.0%
MgO	-	5.0%	-	-
Na2O	7.0%	12.5%	-	11.0%
SiO2	46.0%	56.0%	67.0%	77.0%
SO3	-	0.5%	-	-
ZrO2	-	10.0%	-	-
Crystallinity Specifications				
Al2O3+ZrO2	<= 14.0%			
Al2O3+ZrO2+Fe2O3	<= 21.0%			
MgO+CaO	<= 8.0%			
Rh2O3+Ru2O3	<= 0.25%			

3.3 Clean Salt Process Flowsheet Assumptions

All flowsheets were designed using the same flowsheet assumptions. To be consistent with the work being done in the development of the TWRS Reference Flowsheet, those assumptions were used for the CSP flowsheets where they applied. Other flowsheet assumptions are derived from experimental data and knowledge of crystallization processes. The following is a list of assumptions used in creating the CSP flowsheet.

- 1) Feed stream adjusted to pH = 2
- 2) Solubility of sodium nitrate at 25 °C is 92.1 g per 100 g water
- 3) Solubility of sodium nitrate at 100 °C is 180.1 g per 100 g water
- 4) Nitrite is completely converted to nitrate
- 5) Carbonate is completely converted to carbon dioxide
- 6) Readjust aqueous effluent to pH = 10
- 7) Solids entrainment in evaporator condensate is 0.01 wt% for most

- chemical components
- 8) Solids entrainment in evaporator condensate is 0.1 wt% for total organic carbon, iodide, technetium, cesium, and ruthenium
 - 9) Occlusion percentage is 0.05 wt%
 - 10) Crystallization is a two-step process with crystals grown in the evaporator/crystallizer at 100 °C and in a secondary crystallizer at 25 °C
 - 11) Crystallize to 50 wt% solids exiting secondary crystallizer
 - 12) Solubility of aluminum nitrate at 25 °C is 63.7 g per 100 g water
 - 13) Centrifuges leave 19.7 wt% liquid entrained
 - 14) Solids (particulate) carry-over in aqueous stream is 0.1 wt%
 - 15) Rinse solution is a saturated sodium nitrate solution
 - 16) Rinse solution to solids ratio is approximately one

3.4 Clean Salt Flowsheet Design Strategy

Flowsheets were designed to give the optimum performance based on the assumptions. A sensitivity study was performed around the most important flowsheet assumptions to identify which ones had the greatest effect on flowsheet performance. The results of that study are presented in Section 3.5. The CSP flowsheets were designed to maximize sodium recovery while minimizing cesium contamination of the decontaminated salt in the fewest recrystallization steps possible.

Three crystallization stages were determined to be the minimum number required because of cesium contamination carryover due to occlusions (liquid contaminant entrapped in the crystal lattice). The Pre-CSIX stream of the TWRS Reference Flowsheet from Table 3-1 was used as the basis for making this determination. If the total inventory of aluminum ($4.11\text{E}+03$ MT) and sodium ($7.61\text{E}+04$ MT) were completely crystallized as their respective nitrate salts, the total quantity of salt would be $3.34\text{E}+05$ MT ($5.71\text{E}+04$ MT aluminum nitrate nonahydrate and $2.81\text{E}+05$ MT sodium nitrate). The total cesium inventory in that stream is 88.8 MCi. So the theoretical cesium contamination in that stream would be $2.62\text{E}+08$ pCi/g of nitrate salt for this ideal case. With an occlusion rate of 0.05 wt% for each crystallization step, and if contamination carryover were due only to occlusions, cesium contamination would follow the trend shown in Table 3-3. This trend shows that if the treatment objective were below 65.5 pCi/g, three crystallization stages would be required.

Table 3-3. Ideal Cesium Contamination Carryover With Recrystallization.

	Feed	First Crystallization	Second Crystallization	Third Crystallization
Cesium Contamination (pCi/g)	$2.62\text{E}+08$	$1.31\text{E}+05$	65.5	$3.28\text{E}-02$

In addition to cesium contamination due to occlusion, cesium is carried-over as interstitial liquor (liquid between the crystals). Unlike the occluded cesium which can be removed only by recrystallization, the cesium carried-over as interstitial liquor can be eliminated by a series of wash steps. The number of counter-current wash steps was determined by evaluating how many wash step in each of the crystallization stages were needed to achieve the desired level of cesium decontamination. This evaluation process minimizes the number of wash steps overall and determines the optimum placement of wash steps. For purposes of demonstrating this, the cesium contamination for a single crystallization stage with a series of eight counter-current wash steps was evaluated to show the contribution of cesium contamination due to the interstitial liquor and due to the occlusions. The data in Table 3-4 shows the cesium concentrations of the interstitial liquor and occlusions. After four wash steps the net gain in adding an additional wash step dropped off from approximately 70% cesium removal with each subsequent wash to less than 40%. The final column of Table 3-4 shows the result if 0.05 wt% of the total cesium occludes in the next recrystallization stage. The number of wash steps needed for each of the crystallization stages for each of the CSP flowsheets was evaluated to determine how much occluded cesium was acceptable for the next crystallization and still reach the overall treatment objective after three crystallization stages.

Table 3-4. Cesium Contamination Reductions With Washing.

	Cesium Contamination (pCi/g)			Occluded Cesium if Recrystallized after Wash Step (pCi/g)
	Interstitial Liquor	Occluded	Total	
Initial Crystallization	8.32E+07	1.79E+05	8.33E+07	4.17E+05
Wash 1	1.82E+07	1.79E+05	1.84E+07	9.20E+04
Wash 2	4.04E+06	1.78E+05	4.21E+06	2.31E+04
Wash 3	9.01E+05	1.79E+05	1.08E+06	5.40E+03
Wash 4	2.14E+05	1.79E+05	3.92E+05	1.96E+03
Wash 5	6.33E+04	1.79E+05	2.42E+05	1.21E+03
Wash 6	3.02E+04	1.79E+05	2.09E+05	1.05E+03
Wash 7	2.30E+04	1.79E+05	2.02E+05	1.01E+03
Wash 8	2.14E+04	1.79E+05	2.00E+05	1.00E+03

Finally, the CSP flowsheet was designed with counter-current washing and recycle to maximize the recovery and minimized the cesium contamination of the decontaminated salt. The cleanest salt was washed with the cleanest wash solution and the most contaminated wash solution was recycled for

recrystallization. The decontaminated salts are extracted from the final crystallization step and the contaminated aqueous stream is removed from the first crystallization stage. The counter-current washing and recycle allow the CSP flowsheet to be a closed process with the only chemical additions being an initial pH adjustment to the feed and a final pH adjustment of the reduced LLW stream. Wash solutions are completely recycled since the process uses a fraction of the decontaminated salt to make-up the aqueous wash solution that is ultimately recrystallized. After the optimum number of wash steps, the salt is redissolved in fresh water and recrystallized.

The two CSP flowsheets, Figures 3-1 and 3-2, each had three crystallization stages in combination with the number of wash steps needed to achieve the treatment objective. The first is a baseline CSP flowsheet designed to recover decontaminated salt from the post-CSIX process stream of Table 3-1. It has three crystallization stages with three wash steps after the first crystallization and two wash steps for each of the following crystallization stages, and was used for the Parameter Sensitivity Analysis and for the CSP integrated after the CSIX cases. The other flowsheet is designed for the pre-CSIX process stream of Table 3-1. It has three crystallization stages and due to the relatively high concentration of cesium has a varying number of wash steps for each crystallization stage. The first and second crystallization stages has four wash steps, and the third has three. Aside from the number of wash steps, the two CSP flowsheets have similar designs with the decontaminated salt product coming from the third stage and the remaining portion of the LLW stream exiting the first stage.

Figure 3-1. Baseline Clean Salt Process Flowsheet.

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Figure 3-2. Clean Salt Flowsheet Before Cesium Ion Exchange

3.5 Clean Salt Parameter Sensitivity Analysis

Cesium contamination of the decontaminated salt product was evaluated as a function of various operating parameters for the CSP flowsheet. The flowsheet chosen for this study recovered only sodium nitrate from the LLW stream after CSIX. A baseline cesium contamination was established by running the flowsheet using the assumptions stated in Section 3.3. The following flowsheet assumptions were increased and decreased relative to their baseline values to evaluate their significance in the design of the CSP flowsheet:

- 1) Solid/Liquid Separation Efficiency,
- 2) Sodium Nitrate Solubility in Water at 25 °C,
- 3) Occlusion Percentage,
- 4) Sodium Nitrate Solubility in Water at 100 °C.

A summary of the operating conditions and the resulting level of cesium contamination is presented in Table 3-5. Generally, the results show that solid/liquid separation efficiency had the greatest effect on the resulting cesium contamination of the decontaminated salt product. Increasing or decreasing the amount of interstitial liquor held by the crystals by five percent caused an order of magnitude swing in the cesium contamination in the decontaminated salt. Varying the other parameters had very limited effects on the cesium contamination of the salt product.

Table 3-5. Operating Parameter Variability Study.

	Cesium in Recovered Salt (pCi/g)	Percent Change from Baseline	Weight Percent Sodium Recovered
Baseline (listed in Section 3.3)	4.92	---	71.27
Wt% Liquid in Solid Fraction = 15%	0.51	-89.6	71.59
Wt% Liquid in Solid Fraction = 25%	34.33	141.8	71.57
Sodium Nitrate Solubility @ 25 °C = 80g/100g Water	5.32	8.1	75.25
Sodium Nitrate Solubility @ 25 °C = 100g/100g Water	4.66	-5.3	67.63
Occlusion Percentage = 0.1 wt%	6.22	26.4	71.32
Occlusion Percentage = 0.01 wt%	4.01	-18.5	71.50
Sodium Nitrate Solubility @ 100 °C = 160g/100g Water	4.89	-0.6	71.27
Sodium Nitrate Solubility @ 100 °C = 200 g/100g Water	4.88	-0.6	71.27

4.0 FLOWSHEETS

Two flowsheets were constructed to demonstrate the feasibility of integrating the CSP flowsheet into the TWRS Reference Flowsheet and to evaluate the potential effect on the total tank waste treatment scheme. Flowsheets were created using processing assumptions mentioned in section 3.0 to achieve the desired processing goals. For the purposes of this study an upper limit of cesium contamination was established at 50 pCi/g. The value was chosen as a conservative estimate of the maximum contamination that would be allowed to still declare the product decontaminated. At this time, de minimus values for the release of decontaminated material do not exist. However, the Department of Energy is actively looking at this issue and the demonstration of the technical viability of this process could drive the de minimus issue to a favorable conclusion.

For this study, two CSP flowsheets were assembled and integrated into the TWRS Reference Flowsheet at various locations. The cases explored were: sodium and aluminum recovery after CSIX, sodium and aluminum recovery before CSIX, and a one glass option (i.e., eliminate LLW glass disposal).

4.1 TWRS Reference Flowsheet

The TWRS Reference Flowsheet shown in Figure 2-1 splits retrieved Hanford tank waste into a solids fraction and an aqueous fraction. The flowsheet assumes transuranics and other insoluble species remain in the solids fraction while sodium, aluminum, chromium, and other soluble cations are dissolved into the aqueous stream. Since cesium is highly radioactive and highly soluble it must be removed from the LLW stream before it is vitrified and disposed of as LLW glass. Cesium is returned to the HLW stream after it is removed by a CSIX process. The cesium and the remainder of the HLW are vitrified and stored as HLW glass. The TWRS Reference Flowsheet produces an estimated 43 LLW disposal vaults (228,000 m³) and an estimated 1,060 HLW casks (10,600 m³).

4.2 Clean Salt Flowsheets

Two different clean salt flowsheets were prepared to study the effects of the CSP on the TWRS Reference Flowsheet. The first flowsheet was designed based on a stream feed after the CSIX process in the TWRS Reference Flowsheet shown in Figure 4-1. The second flowsheet was designed for a stream before the CSIX process shown in Figure 4-2.

4.2.1 Clean Salt After Cesium Ion Exchange

The CSP flowsheet treating the LLW stream immediately after the CSIX process (detailed in Table 3-1) used the same flowsheet layout as the Parameter Sensitivity studies, shown in Figure 3-1, with a few modifications to the flowsheet controls: the aluminum was allowed to precipitate as aluminum nitrate nonahydrate and the process controlled the recovery of sodium nitrate

and aluminum nitrate so that the decontaminated salt had a maximum cesium contamination of 50 pCi/g. In addition to allowing the recovery of aluminum, these changes allowed for the recovery of a greater quantity of sodium.

This flowsheet recovered 74,000 MT (94 wt%) of the sodium and 3,200 MT (78 wt%) of the aluminum fed to the flowsheet while maintaining cesium contamination of the recovered salt at 50 pCi/g. The bulk of the LLW stream was reduced by approximately 95 wt%, from 1,070,000 MT to 50,000 MT. A detailed stream report for the post-CSIX CSP flowsheet is presented in Appendix A.

The Post-CSIX CSP flowsheet was integrated into the TWRS Reference Flowsheet by placing it after the CSIX process as shown in Figure 4-1. As a result, the projected number of LLW vaults were 4.5 (24,000 m³), over 90% less than that generated by the TWRS Reference Flowsheet. There was no effect on the HLW cask count.

4.2.2 Clean Salt Before Cesium Ion Exchange

The CSP flowsheet treating the Pre-CSIX stream given in Table 3-1 used the more complex process shown in Figure 3-2. As with the Post-CSIX CSP flowsheet, both sodium and aluminum were recovered as their nitrate salts while the cesium contamination was maintained below 50 pCi/g.

This flowsheet recovered 65,500 MT (85 wt%) of the sodium and 1,800 MT (45 wt%) of the aluminum fed to the flowsheet as the decontaminated product. The bulk of the LLW stream is reduced by approximately 84 wt%, from 628,000 MT to 100,500 MT. These values are lower than those reported for Post-CSIX process because of the greater amount of cesium being feed to this CSP flowsheet. As mentioned in Section 3.2, the TWRS Reference Flowsheet assumes the CSIX process removes 99.2 wt% of the cesium fed to the system. The stream report for the pre-CSIX CSP flowsheet is presented in Appendix B.

The Pre-CSIX CSP flowsheet was integrated before the CSIX process of the TWRS Reference Flowsheet as shown in Figure 4-2. The projected number of LLW vaults was reduced by approximately 81%, from 43.8 to 8.5 (45,000 m³). The HLW volume was decreased by approximately 35 casks (350 m³), from 1,060 to 1,025 (3.5 %). The HLW reduction is due to the reduction in the amount of chemicals needed to regenerate the CSIX resins that would have joined the HLW stream. The better cesium to sodium ratio means the column does not need to be regenerated as often, reducing the amount of waste generated.

4.3 The One Glass Concept

The one glass concept deletes the CSIX process and LLW disposal from the TWRS Reference Flowsheet. Instead what was the LLW stream is treated with the Post-CSIX CSP flowsheet, recovering the decontaminated salts and returning the remaining portion of the waste stream to HLW disposal system as shown in

Figure 4-3. The net effect is that LLW is eliminated entirely and the HLW volume is increased by a factor of seven, from 1,060 casks to 7,307 casks. Although this appears to be a significant increase, the total volume of radioactive waste generated, both LLW and HLW, is reduced by approximately 70 vol%, from 237,000 m³ to 73,100 m³. And although the HLW vitrification facility would have to be increased in size over the baseline plan, the need for a CSIX process, an LLW vitrification process, and LLW disposal vaults would be eliminated entirely.

4.4 Summary of Results

Integration of the CSP into the TWRS Reference Flowsheet has the potential of reducing the amount of radioactive waste generated. This study showed that the quantity of LLW generated could be reduced by greater than 90 vol% and the HLW could be reduced by as much as 5 vol%. Table 4-3 presents a comparison of the CSP integration options explored in this study.

Table 4-1. Summary of Flowsheet Results.

Flowsheet Option	Recovered Sodium (MT)	Recovered Aluminum (MT)	HLW Volume (m ³)	LLW Volume (m ³)
TWRS Reference Flowsheet	N/A	N/A	10,600	228,000
Post-CSIX	74,000	3,200	10,600	24,000
Pre-CSIX	65,500	1,800	10,250	45,000
One Glass	65,500	1,800	73,100	N/A

Figure 4-1. Clean Salt Process Integrated After Cesium Ion Exchange.

Figure 4-2. Clean Salt Process Integrated Before Cesium Ion Exchange.

Low-Level Aqueous Phase

Figure 4-3. The One Glass Concept.

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5.0 FUTURE DEVELOPMENT

The ESPIP has extended funding for the CSP development into fiscal year 1995. Under this extension, flowsheet development will be supported in several different areas including additional process chemistry developments, vendor demonstrations, and a salt disposal/uses evaluation.

The process chemistry studies will be expanded to look at removal of the aluminum before the solution is acidified to reduce the acid consumption of the process. Also, removal of anions problematic to the glass melter systems such as phosphate, sulfate, and fluoride will be investigated. At the larger scale, Dr. Alan Randolph of the University of Arizona will be investigating Mixed Slurry, Mixed Product Reactor crystallization for simulated Hanford tank waste. These studies will be an extension on the radioactive working being performed at Hanford and will directly support refinement of the CSP flowsheet.

As was shown in Section 3.5 Parameter Sensitivity Analysis, solid/liquid separations have the most dramatic effect on the efficiency of the CSP. A small improvement in separation efficiency had a dramatic effect on the overall process. Therefore, solid/liquid separation will be investigated through a series of vendor demonstrations. These demonstrations will show the solid/liquid system's ability to dewater and wash the crystals. Exact performance criteria will be established early in the next fiscal year.

Finally, a salt disposal/uses document will be prepared. A research entity will be contracted to perform a full evaluation of the disposal/uses options for decontaminated salt recovered from HLW. This study will include a comprehensive presentation of current laws and rules governing the uses/disposal of the decontaminated salt. Also included will be an evaluation of disposal/uses options if de minimus values were established and the decontaminated salt were releasable to the general public.

As a result of these studies, the CSP flowsheet will be revised and refined.

6.0 REFERENCES

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APPENDIX A

STREAM NAME LIQUID COMPONENTS	1	2	3	4	5	6	7	9	11	13
Total Mass Flow, (MT)	1.07E+06	2.10E+05	1.28E+06	2.44E+06	1.14E+06	1.07E+06	6.83E+05	1.71E+05	5.12E+05	4.71E+05
Al, (MT)	4.11E+03		4.11E+03	2.89E+04	2.89E+04	2.89E-01	1.50E+04	3.74E+03	1.12E+04	1.03E+04
Fe, (MT)	9.85E+00		1.63E+02	1.63E+02	1.63E+02	1.23E-03	1.63E+02	4.07E+01	1.22E+02	1.12E+02
Cr, (MT)	1.32E+02		1.32E+02	2.18E+03	2.18E+03	2.18E-02	2.17E+03	5.44E+02	1.63E+03	1.50E+03
Na, (MT)	7.84E+04		7.84E+04	2.11E+05	1.48E+05	2.11E+00	7.55E+04	1.89E+04	5.66E+04	5.20E+04
Si, (MT)	1.34E+01		1.34E+01	2.20E+02	2.20E+02	2.20E-03	2.20E+02	5.50E+01	1.65E+02	1.52E+02
P, (MT)	1.67E+03		1.67E+03	2.74E+04	2.74E+04	2.74E-01	2.74E+04	6.85E+03	2.05E+04	1.89E+04
NO ₂ - and NO ₃ -, (MT)	1.21E+05	1.18E+05	2.33E+05	6.48E+05	4.76E+05	6.48E+00	1.85E+05	4.64E+04	1.39E+05	1.28E+05
Cs and Ba, (MCi)	7.00E-01		7.00E-01	1.15E+01	1.15E+01	1.15E-03	1.15E+01	2.88E+00	8.62E+00	7.92E+00
Sr and Y, (MCi)	1.26E+00		1.26E+00	2.09E+01	2.09E+01	2.09E-04	2.09E+01	5.22E+00	1.57E+01	1.44E+01
Tc, (MCi)	3.06E-02		3.06E-02	5.03E-01	5.03E-01	5.03E-05	5.03E-01	1.26E-01	3.77E-01	3.47E-01
TRU, (MCi)	8.56E-03		8.56E-03	1.41E-01	1.41E-01	1.41E-06	1.41E-01	3.53E-02	1.06E-01	9.71E-02
Total MCi	4.74E+01		4.74E+01	7.84E+02	7.84E+02	8.98E-03	7.84E+02	1.96E+02	5.88E+02	5.40E+02
Ag+, (MT)	3.23E-02		3.23E-02	5.32E-01	5.32E-01	5.32E-06	5.32E-01	1.33E-01	3.99E-01	3.67E-01
Al ³⁺ , (MT)			4.11E+03	2.89E+04	2.89E+04	2.89E-01	1.50E+04	3.74E+03	1.12E+04	1.03E+04
Al(OH) ₄ -, (MT)	1.45E+04									
Am ³⁺ , (MT)	1.96E-03		1.96E-03	3.23E-02	3.23E-02	3.23E-07	3.23E-02	8.07E-03	2.42E-02	2.22E-02
As ⁵⁺ , (MT)	1.89E-01		1.89E-01	3.10E+00	3.10E+00	3.10E-05	3.10E+00	7.76E-01	2.33E+00	2.14E+00
B ³⁺ , (MT)	9.87E-02		9.87E-02	1.63E+00	1.63E+00	1.63E-05	1.63E+00	4.07E-01	1.22E+00	1.12E+00
Ba ²⁺ , (MT)	3.08E-01		3.08E-01	5.06E+00	5.06E+00	5.06E-05	5.06E+00	1.27E+00	3.80E+00	3.49E+00
Be ²⁺ , (MT)	7.40E-04		7.40E-04	1.22E-02	1.22E-02	1.22E-07	1.22E-02	3.04E-03	9.12E-03	8.38E-03
Bi ³⁺ , (MT)	6.40E+01		6.40E+01	1.05E+03	1.05E+03	1.05E-02	1.05E+03	2.63E+02	7.89E+02	7.25E+02
Carbon-14, (MT)	1.10E-03		1.10E-03	1.80E-02	1.80E-02	1.80E-06	1.80E-02	4.51E-03	1.35E-02	1.24E-02
Ca ²⁺ , (MT)	9.86E+00		9.86E+00	1.62E+02	1.62E+02	1.62E-03	1.62E+02	4.06E+01	1.22E+02	1.12E+02
Cd ²⁺ , (MT)	2.22E+00		2.22E+00	3.64E+01	3.64E+01	3.64E-04	3.64E+01	9.11E+00	2.73E+01	2.51E+01
Ce ³⁺ , (MT)	2.36E+00		2.36E+00	3.90E+01	3.90E+01	3.90E-04	3.90E+01	9.75E+00	2.92E+01	2.68E+01
Cl-, (MT)	4.84E+02		4.84E+02	7.95E+03	7.95E+03	7.95E-02	7.95E+03	1.99E+03	5.96E+03	5.48E+03
Cm ³⁺ , (MT)	4.16E-07		4.16E-07	6.84E-06	6.84E-06	6.84E-11	6.83E-06	1.71E-06	5.12E-06	4.71E-06
CO ³⁺ , (MT)	5.14E-02		5.14E-02	8.46E-01	8.46E-01	8.46E-06	8.46E-01	2.12E-01	6.34E-01	5.83E-01
CO ₂ , (MT)	6.65E+02		1.87E+03	1.87E+03		1.87E+03				
CO ₃ ²⁻ , (MT)	1.64E+03			1.90E-01	1.90E-01	1.90E-06	1.89E-01	4.74E-02	1.42E-01	1.31E-01
Cr ³⁺ , (MT)			1.32E+02	2.18E+03	2.18E+03	2.18E-02	2.17E+03	5.44E+02	1.63E+03	1.50E+03
Cr(OH) ₄ -, (MT)	3.05E+02									
Cst-, (MT)	8.53E-03		8.53E-03	1.40E-01	1.40E-01	1.40E-05	1.40E-01	3.50E-02	1.05E-01	9.65E-02
Cr ²⁺ , (MT)	2.20E-01		2.20E-01	3.61E+00	3.61E+00	3.61E-05	3.61E+00	9.03E-01	2.71E+00	2.49E+00
F-, (MT)	1.11E+03		1.11E+03	1.82E+04	1.82E+04	1.82E-01	1.82E+04	4.55E+03	1.36E+04	1.25E+04
Fe ³⁺ , (MT)	7.45E+00		7.45E+00	1.23E+02	1.23E+02	1.23E-03	1.23E+02	3.08E+01	9.24E+01	8.49E+01
FeCN ₆ ³⁻ , (MT)	3.52E+00		3.52E+00	5.78E+01	5.78E+01		5.78E+01	1.45E+01	4.33E+01	3.98E+01
H ⁺ , (MT)	1.08E+02	1.90E+03	1.08E+02	1.77E+03	1.77E+03		1.77E+03	4.43E+02	1.33E+03	1.22E+03
H ₂ O, (MT)	8.24E+05	9.02E+04	9.44E+05	1.36E+06	3.03E+05	1.06E+06	2.20E+05	5.49E+04	1.65E+05	1.51E+05
Hg ²⁺ , (MT)	1.16E+00		1.16E+00	1.90E+01	1.90E+01	1.90E-04	1.90E+01	4.76E+00	1.43E+01	1.31E+01
I-, (MT)	2.33E-01		2.33E-01	3.82E+00	3.82E+00	3.82E-04	3.82E+00	9.55E-01	2.86E+00	2.63E+00
K ⁺ , (MT)	1.42E+03		1.42E+03	2.33E+04	2.33E+04	2.33E-01	2.33E+04	5.82E+03	1.74E+04	1.60E+04
La ³⁺ , (MT)	3.25E-01		3.25E-01	5.38E+00	5.38E+00	5.38E-05	5.38E+00	1.35E+00	4.03E+00	3.71E+00
Li ⁺ , (MT)	3.08E-02		3.08E-02	5.06E-01	5.06E-01	5.06E-06	5.06E-01	1.27E-01	3.79E-01	3.49E-01
Mg ²⁺ , (MT)	5.35E-01		5.35E-01	8.80E+00	8.80E+00	8.80E-05	8.80E+00	2.20E+00	6.60E+00	6.06E+00
MnO ₂ , (MT)	2.14E+01		2.14E+01	3.52E+02	3.52E+02	3.52E-03	3.52E+02	8.80E+01	2.64E+02	2.42E+02
Mb ⁶⁺ , (MT)	3.26E+00		3.26E+00	5.36E+01	5.36E+01	5.36E-04	5.36E+01	1.34E+01	4.02E+01	3.70E+01
Na ⁺ , (MT)	7.84E+04		7.84E+04	2.11E+05	1.48E+05	2.11E+00	7.55E+04	1.89E+04	5.66E+04	5.20E+04
Ni ³⁺ , (MT)	5.75E-01		5.75E-01	9.47E+00	9.47E+00	9.47E-05	9.46E+00	2.37E+00	7.10E+00	6.52E+00
NO, (MT)			4.62E+03	4.62E+03		4.62E+03				
NO ₂ -, (MT)	1.06E+04			7.07E-02	7.07E-02		7.07E-02	1.77E-02	5.30E-02	4.87E-02
NO ₃ -, (MT)	1.10E+05	1.18E+05	2.33E+05	6.48E+05	4.76E+05	6.48E+00	1.85E+05	4.64E+04	1.39E+05	1.28E+05
Np ⁴⁺ , (MT)	4.67E-03		4.67E-03	7.68E-02	7.68E-02	7.68E-07	7.68E-02	1.92E-02	5.76E-02	5.29E-02
OH-, (MT)	1.61E+04			1.74E+00	1.74E+00	1.74E-05	1.74E+00	4.34E-01	1.30E+00	1.20E+00
Pb ⁴⁺ , (MT)	2.68E+00		2.68E+00	4.41E+01	4.41E+01	4.41E-04	4.41E+01	1.10E+01	3.31E+01	3.04E+01
PO ₄ ³⁻ , (MT)	5.11E+03		5.11E+03	8.40E+04	8.40E+04	8.40E-01	8.39E+04	2.10E+04	6.29E+04	5.78E+04
Poly, (MT)	4.38E+01		4.38E+01	7.21E+02	7.21E+02		7.21E+02	1.80E+02	5.40E+02	4.97E+02
Pu ⁴⁺ , (MT)	8.08E-03		8.08E-03	1.33E-01	1.33E-01	1.33E-06	1.33E-01	3.33E-02	9.97E-02	9.17E-02
Rb ⁺ , (MT)	6.21E-02		6.21E-02	1.02E+00	1.02E+00	1.02E-05	1.02E+00	2.55E-01	7.65E-01	7.03E-01
Rer ⁷⁺ , (MT)	4.61E-03		4.61E-03	7.59E-02	7.59E-02	7.59E-07	7.58E-02	1.90E-02	5.69E-02	5.23E-02
Rhr ³⁺ , (MT)	1.21E-02		1.21E-02	2.00E-01	2.00E-01	2.00E-06	2.00E-01	5.00E-02	1.50E-01	1.38E-01
Rur ³⁺ , (MT)	2.67E-02		2.67E-02	4.39E-01	4.39E-01	4.39E-05	4.39E-01	1.10E-01	3.29E-01	3.02E-01
Sb ⁵⁺ , (MT)	5.58E-02		5.58E-02	9.19E-01	9.19E-01	9.19E-06	9.19E-01	2.30E-01	6.89E-01	6.33E-01
Se ⁶⁺ , (MT)	5.49E-01		5.49E-01	9.03E+00	9.03E+00	9.03E-05	9.02E+00	2.26E+00	6.77E+00	6.22E+00
Si ⁴⁺ , (MT)	1.34E+01		1.34E+01	2.20E+02	2.20E+02	2.20E-03	2.20E+02	5.50E+01	1.65E+02	1.52E+02
Sm ³⁺ , (MT)	3.09E-04		3.09E-04	5.11E-03	5.11E-03	5.11E-08	5.11E-03	1.28E-03	3.83E-03	3.52E-03
Sr ⁴⁺ , (MT)	4.93E-03		4.93E-03	8.12E-02	8.12E-02	8.12E-07	8.11E-02	2.03E-02	6.08E-02	5.59E-02
SO ₄ ²⁻ , (MT)	1.99E+03		1.99E+03	3.28E+04	3.28E+04	3.28E-01	3.27E+04	8.19E+03	2.46E+04	2.26E+04
Srt ²⁺ , (MT)	3.35E-01		3.35E-01	5.55E+00	5.55E+00	5.55E-05	5.55E+00	1.39E+00	4.16E+00	3.82E+00
TcO ₄ -, (MT)	2.96E+00		2.96E+00	4.85E+01	4.85E+01	4.85E-03	4.85E+01	1.21E+01	3.64E+01	3.34E+01
Tet ⁶⁺ , (MT)	5.12E-03		5.12E-03	8.44E-02	8.44E-02	8.44E-07	8.44E-02	2.11E-02	6.33E-02	5.81E-02
Tht ⁴⁺ , (MT)	1.61E-01		1.61E-01	2.66E+00	2.66E+00	2.66E-05	2.66E+00	6.65E-01	2.00E+00	1.83E+00
Ti ⁴⁺ , (MT)	6.46E-03		6.46E-03	1.07E-01	1.07E-01	1.07E-06	1.07E-01	2.67E-02	8.00E-02	7.35E-02
Tl ³⁺ , (MT)	2.97E-01		2.97E-01	4.90E+00	4.90E+00	4.90E-05	4.90E+00	1.22E+00	3.70E+00	3.37E+00
TCC, (MT)	7.79E+02		7.79E+02	1.28E+04	1.28E+04	1.28E+00	1.28E+04	3.20E+03	9.59E+03	8.81E+03
UO ₂ ²⁺ , (MT)	9.04E+01		9.04E+01	1.49E+03	1.49E+03	1.49E-02	1.49E+03	3.72E+02	1.12E+03	1.03E+03
V ⁵⁺ , (MT)	9.54E-03		9.54E-03	1.57E-01	1.57E-01	1.57E-06	1.57E-01	3.93E-02	1.18E-01	1.08E-01
W ⁶⁺ , (MT)	3.26E+00		3.26E+00	5.37E+01	5.37E+01	5.37E-04	5.37E+01	1.34E+01	4.02E+01	3.70E+01
Zn ²⁺ , (MT)	8.80E-01		8.80E-01	1.45E+01	1.45E+01	1.45E-04	1.45E+01	3.62E+00	1.09E+01	9.97E+00
ZNO ₂ ·2H ₂ O, (MT)	2.33E+01		2.33E+01	3.85E+02	3.85E+02	3.85E-03	3.84E+02	9.62E+01	2.88E+02	2.65E+02

STREAM NAME	1	2	3	4	5	6	7	9	11	13
SOLID COMPONENTS										
Total Mass Flow, (MT)	7.97E-01		7.97E-01	1.17E+03	2.37E+05		6.97E+05	6.97E+05	5.13E+02	4.71E+02
Al, (MT)	4.61E-02		4.61E-02	2.34E+01	2.34E+01		1.39E+04	1.39E+04	1.02E+01	9.41E+00
Fe, (MT)	5.34E-02		5.34E-02	5.36E-02	5.36E-02		1.01E-01	1.00E-01	7.39E-05	6.79E-05
Cr, (MT)	2.06E-03		2.06E-03	3.46E-03	3.46E-03		8.31E-01	8.30E-01	6.11E-04	5.62E-04
Na, (MT)	7.70E-02		7.70E-02	2.28E+02	6.41E+04		1.36E+05	1.36E+05	1.00E+02	9.20E+01
Si, (MT)	3.25E-02		3.25E-02	3.27E-02	3.27E-02		1.16E-01	1.16E-01	8.56E-05	7.86E-05
P, (MT)	1.37E-02		1.37E-02	3.12E-02	3.12E-02		1.05E+01	1.05E+01	7.69E-03	7.07E-03
NO ₂ - and NO ₃ -, (MT)	7.18E-02		7.18E-02	7.76E-02	1.73E+05		4.63E+05	4.63E+05	3.41E+02	3.13E+02
Cs and Ba, (MT)	7.31E-04		7.31E-04	7.39E-04	7.39E-04		5.12E-03	5.11E-03	3.76E-06	3.46E-06
Sr and Y, (MT)	9.15E-03		9.15E-03	9.18E-03	9.18E-03		1.71E-02	1.71E-02	1.26E-05	1.16E-05
Tc, (MT)	6.06E-07		6.06E-07	9.28E-07	9.28E-07		1.92E-04	1.92E-04	1.41E-07	1.30E-07
TRU, (MT)	1.29E-05		1.29E-05	1.30E-05	1.30E-05		6.66E-05	6.66E-05	4.90E-08	4.50E-08
Total MCI	3.39E-01		3.39E-01	3.40E-01	3.40E-01		6.38E-01	6.38E-01	4.69E-04	4.31E-04
Ag+, (MT)	2.70E-05		2.70E-05	2.74E-05	2.74E-05		2.30E-04	2.30E-04	1.69E-07	1.55E-07
Al+3, (MT)	1.78E-02		1.78E-02	2.33E+01	2.33E+01		1.39E+04	1.39E+04	1.02E+01	9.41E+00
Am+3, (MT)	2.68E-06		2.68E-06	2.70E-06	2.70E-06		1.50E-05	1.50E-05	1.10E-08	1.01E-08
As+5, (MT)	4.30E-05		4.30E-05	4.51E-05	4.51E-05		1.23E-03	1.22E-03	9.01E-07	8.28E-07
B+3, (MT)	1.62E-04		1.62E-04	1.64E-04	1.64E-04		7.82E-04	7.82E-04	5.75E-07	5.29E-07
Ba+2, (MT)	1.35E-04		1.35E-04	1.38E-04	1.38E-04		2.06E-03	2.06E-03	1.52E-06	1.40E-06
Be+2, (MT)	6.07E-07		6.07E-07	6.16E-07	6.16E-07		5.25E-06	5.24E-06	3.86E-09	3.56E-09
Bi+3, (MT)	1.30E-02		1.30E-02	1.37E-02	1.37E-02		4.14E-01	4.14E-01	3.05E-04	2.80E-04
Carbon-14, (MT)				1.15E-08	1.15E-08		6.87E-06	6.86E-06	5.05E-09	4.64E-09
Ca+2, (MT)	1.01E-02		1.01E-02	1.03E-02	1.03E-02		7.20E-02	7.19E-02	5.30E-05	4.87E-05
Canconite, (MT)	1.78E-01		1.78E-01	1.79E-01	1.79E-01		1.79E-01	1.79E-01	1.32E-04	1.21E-04
Ca+2, (MT)	5.52E-04		5.52E-04	5.76E-04	5.76E-04		1.44E-02	1.44E-02	1.06E-05	9.76E-06
Ca+3, (MT)	1.55E-02		1.55E-02	1.55E-02	1.55E-02		3.03E-02	3.03E-02	2.23E-05	2.05E-05
Cl-, (MT)	1.67E-04		1.67E-04	5.24E-03	5.24E-03		3.03E+00	3.03E+00	2.23E-03	2.05E-03
Cl+3, (MT)				4.36E-12	4.36E-12		2.60E-09	2.60E-09	1.92E-12	1.76E-12
CO+3, (MT)	5.03E-05		5.03E-05	5.09E-05	5.09E-05		3.73E-04	3.73E-04	2.74E-07	2.52E-07
CO ₂ -2, (MT)	1.15E-02		1.15E-02	1.16E-02	1.16E-02		1.16E-02	1.16E-02	8.55E-06	7.86E-06
Cr+3, (MT)	2.06E-03		2.06E-03	3.46E-03	3.46E-03		8.31E-01	8.30E-01	6.11E-04	5.62E-04
Cs+, (MT)	8.90E-06		8.90E-06	9.01E-06	9.01E-06		6.23E-05	6.23E-05	4.58E-08	4.21E-08
Cu+2, (MT)	5.03E-05		5.03E-05	5.27E-05	5.27E-05		1.43E-03	1.43E-03	1.05E-06	9.64E-07
F-, (MT)	3.73E-03		3.73E-03	1.54E-02	1.54E-02		6.94E+00	6.93E+00	5.10E-03	4.69E-03
Fe+3, (MT)	4.78E-02		4.78E-02	4.80E-02	4.80E-02		9.49E-02	9.48E-02	6.98E-05	6.41E-05
H ₂ O, (MT)				1.40E+02	1.40E+02		8.37E+04	8.37E+04	6.16E+01	5.66E+01
Hg+2, (MT)	5.80E-07		5.80E-07	1.27E-05	1.27E-05		7.25E-03	7.24E-03	5.33E-06	4.90E-06
I-, (MT)	1.91E-07		1.91E-07	2.63E-06	2.63E-06		1.46E-03	1.45E-03	1.07E-06	9.84E-07
K+, (MT)	1.11E-03		1.11E-03	1.60E-02	1.60E-02		8.87E+00	8.86E+00	6.52E-03	5.99E-03
La+3, (MT)	2.54E-03		2.54E-03	2.54E-03	2.54E-03		4.59E-03	4.59E-03	3.38E-06	3.10E-06
Li+, (MT)	2.25E-06		2.25E-06	2.57E-06	2.57E-06		1.95E-04	1.95E-04	1.44E-07	1.32E-07
Mg+2, (MT)	3.21E-04		3.21E-04	3.27E-04	3.27E-04		3.67E-03	3.67E-03	2.70E-06	2.48E-06
MnO ₂ , (MT)	1.26E-02		1.26E-02	1.29E-02	1.29E-02		1.47E-01	1.47E-01	1.08E-04	9.92E-05
Mo+6, (MT)	3.40E-04		3.40E-04	3.75E-04	3.75E-04		2.08E-02	2.08E-02	1.53E-05	1.41E-05
Nat, (MT)	4.67E-02		4.67E-02	2.28E+02	6.41E+04		1.36E+05	1.36E+05	1.00E+02	9.20E+01
Ni+3, (MT)	6.59E-04		6.59E-04	6.66E-04	6.66E-04		4.27E-03	4.26E-03	3.14E-06	2.88E-06
Ni ₂ FeO ₆ , (MT)	3.29E-02		3.29E-02	3.29E-02	3.29E-02		3.29E-02	3.29E-02	2.42E-05	2.23E-05
NO ₂ -, (MT)	4.30E-03		4.30E-03	4.31E-03	4.31E-03		4.34E-03	4.33E-03	3.19E-06	2.93E-06
NO ₃ -, (MT)	6.75E-02		6.75E-02	7.76E+02	1.73E+05		4.63E+05	4.63E+05	3.41E+02	3.13E+02
Np+4, (MT)	2.83E-06		2.83E-06	2.89E-06	2.89E-06		3.21E-05	3.21E-05	2.36E-08	2.17E-08
OH-, (MT)	1.06E-01		1.06E-01	1.06E-01	1.06E-01		1.07E-01	1.06E-01	7.84E-05	7.20E-05
P ₂ O ₅ :24H ₂ O, (MT)	1.33E-03		1.33E-03	1.33E-03	1.33E-03		1.33E-03	1.33E-03	9.78E-07	8.99E-07
Pb+4, (MT)	1.93E-03		1.93E-03	1.97E-03	1.97E-03		1.88E-02	1.87E-02	1.38E-05	1.27E-05
PO ₄ -3, (MT)	4.20E-02		4.20E-02	9.57E-02	9.57E-02		3.20E+01	3.20E+01	2.36E-02	2.17E-02
Poly, (MT)	4.08E-03		4.08E-03	4.08E-03	4.08E-03		4.08E-03	4.08E-03	3.00E-06	2.76E-06
Ru+4, (MT)	1.64E-05		1.64E-05	1.65E-05	1.65E-05		6.71E-05	6.71E-05	4.94E-08	4.54E-08
Rb+, (MT)	1.72E-07		1.72E-07	8.24E-07	8.24E-07		3.89E-04	3.89E-04	2.86E-07	2.63E-07
Re+7, (MT)	2.53E-06		2.53E-06	2.59E-06	2.59E-06		3.14E-05	3.14E-05	2.31E-08	2.13E-08
Rh+3, (MT)	2.83E-05		2.83E-05	2.85E-05	2.85E-05		1.05E-04	1.04E-04	7.69E-08	7.06E-08
Ru+3, (MT)	3.47E-05		3.47E-05	3.51E-05	3.51E-05		2.02E-04	2.02E-04	1.49E-07	1.37E-07
Sb+5, (MT)	1.20E-04		1.20E-04	1.20E-04	1.20E-04		4.70E-04	4.70E-04	3.46E-07	3.18E-07
Se+6, (MT)	1.21E-04		1.21E-04	1.27E-04	1.27E-04		3.56E-03	3.56E-03	2.62E-06	2.41E-06
Si+4, (MT)	3.07E-03		3.07E-03	3.22E-03	3.22E-03		8.69E-02	8.68E-02	6.39E-05	5.87E-05
Sn+3, (MT)	2.11E-06		2.11E-06	2.11E-06	2.11E-06		4.06E-06	4.06E-06	2.99E-09	2.74E-09
Sn+4, (MT)	9.62E-07		9.62E-07	1.02E-06	1.02E-06		3.19E-05	3.19E-05	2.35E-08	2.16E-08
SO ₄ -2, (MT)	2.60E-03		2.60E-03	2.35E-02	2.35E-02		1.25E+01	1.25E+01	9.18E-03	8.44E-03
Sr+2, (MT)	2.43E-03		2.43E-03	2.44E-03	2.44E-03		4.55E-03	4.55E-03	3.55E-06	3.08E-06
ToO ₄ -, (MT)	5.84E-05		5.84E-05	8.95E-05	8.95E-05		1.86E-02	1.85E-02	1.36E-05	1.25E-05
Te+6, (MT)	1.62E-05		1.62E-05	1.63E-05	1.63E-05		4.84E-05	4.84E-05	3.56E-08	3.27E-08
Th+4, (MT)	8.92E-04		8.92E-04	8.95E-04	8.95E-04		1.91E-03	1.91E-03	1.40E-06	1.29E-06
Ti+4, (MT)	2.90E-05		2.90E-05	2.91E-05	2.91E-05		6.97E-05	6.96E-05	5.12E-08	4.71E-08
Tl+3, (MT)	3.43E-04		3.43E-04	3.47E-04	3.47E-04		2.21E-03	2.21E-03	1.63E-06	1.49E-06
TOC, (MT)	2.19E-03		2.19E-03	1.04E-02	1.04E-02		4.88E+00	4.87E+00	3.59E-03	3.30E-03
UD ₂ +2, (MT)	9.58E-02		9.58E-02	9.69E-02	9.69E-02		6.63E-01	6.62E-01	4.88E-04	4.48E-04
V+5, (MT)	2.54E-06		2.54E-06	2.65E-06	2.65E-06		6.23E-05	6.23E-05	4.59E-08	4.21E-08
W+6, (MT)				3.43E-05	3.43E-05		2.05E-02	2.04E-02	1.50E-05	1.38E-05
Zn+2, (MT)	9.67E-05		9.67E-05	1.06E-04	1.06E-04		5.61E-03	5.61E-03	4.13E-06	3.79E-06
ZrO ₂ :2H ₂ O, (MT)	6.36E-02		6.36E-02	6.39E-02	6.39E-02		2.10E-01	2.10E-01	1.55E-04	1.42E-04

STREAM NAME LIQUID COMPONENTS	14	15	16	17	18	19	20	21	22	23
Total Mass Flow, (MT)	4.15E+04	8.67E+05	6.96E+05	1.17E+06	1.71E+05	8.67E+05	6.96E+05	1.71E+05	5.46E+05	1.41E+06
Al, (MT)	9.09E+02	1.80E+04	1.44E+04	2.48E+04	3.55E+03	1.77E+04	1.42E+04	3.50E+03		1.74E+04
Fe, (MT)	9.88E+00	5.08E+01	4.08E+01	1.53E+02	1.00E+01	1.26E+01	1.01E+01	2.48E+00		7.27E-01
Cr, (MT)	1.32E+02	6.78E+02	5.45E+02	2.04E+03	1.34E+02	1.68E+02	1.35E+02	3.30E+01		9.15E+00
Na, (MT)	4.59E+03	1.01E+05	8.10E+04	1.33E+05	1.99E+04	1.02E+05	8.19E+04	2.01E+04		1.56E+05
Si, (MT)	1.34E+01	6.86E+01	5.51E+01	2.07E+02	1.35E+01	1.70E+01	1.36E+01	3.34E+00		9.28E-01
P, (MT)	1.67E+03	8.55E+03	6.86E+03	2.57E+04	1.69E+03	2.11E+03	1.70E+03	4.16E+02		1.15E+02
NO ₂ - and NO ₃ -, (MT)	1.13E+04	3.58E+05	2.87E+05	4.15E+05	7.06E+04	3.88E+05	3.12E+05	7.65E+04		5.41E+05
Cs and Ba, (Mci)	6.99E-01	3.59E+00	2.88E+00	1.08E+01	7.08E-01	8.88E-01	7.13E-01	1.75E-01		4.93E-02
Sr and Y, (Mci)	1.27E+00	6.53E+00	5.24E+00	1.96E+01	1.29E+00	1.62E+00	1.30E+00	3.20E-01		9.99E-02
Tc, (Mci)	3.06E-02	1.57E-01	1.26E-01	4.72E-01	3.09E-02	3.88E-02	3.11E-02	7.64E-03		2.12E-03
TRU, (Mci)	8.56E-03	4.40E-02	3.53E-02	1.32E-01	8.67E-03	1.09E-02	8.74E-03	2.15E-03		6.10E-04
Total Mci	4.76E+01	2.45E+02	1.97E+02	7.37E+02	4.83E+01	6.10E+01	4.89E+01	1.20E+01		3.74E+00
Ag+, (MT)	3.23E-02	1.66E-01	1.33E-01	5.00E-01	3.27E-02	4.11E-02	3.30E-02	8.09E-03		2.27E-03
Al ³⁺ , (MT)	9.09E+02	1.80E+04	1.44E+04	2.48E+04	3.55E+03	1.77E+04	1.42E+04	3.50E+03		1.74E+04
Al(OH) ₄ -, (MT)										
Am ³⁺ , (MT)	1.96E-03	1.01E-02	8.09E-03	3.03E-02	1.99E-03	2.49E-03	2.00E-03	4.91E-04		1.39E-04
As ⁵⁺ , (MT)	1.89E-01	9.68E-01	7.77E-01	2.91E+00	1.91E-01	2.39E-01	1.92E-01	4.72E-02		1.31E-02
B ³⁺ , (MT)	9.88E+00	5.07E-01	4.07E-01	1.53E+00	1.00E-01	1.26E-01	1.01E-01	2.48E-02		7.05E-03
Ba ²⁺ , (MT)	3.08E-01	1.58E+00	1.27E+00	4.76E+00	3.11E-01	3.90E-01	3.13E-01	7.70E-02		2.15E-02
Be ²⁺ , (MT)	7.39E-04	3.80E-03	3.05E-03	1.14E-02	7.49E-04	9.39E-04	7.54E-04	1.80E-04		5.20E-05
Bi ³⁺ , (MT)	6.40E+01	3.28E+02	2.64E+02	9.89E+02	6.47E+01	8.12E+01	6.52E+01	1.60E+01		4.44E+00
Carbon-14, (MT)	1.10E-03	5.62E-03	4.52E-03	1.69E-02	1.11E-03	1.39E-03	1.12E-03	2.74E-04		7.58E-05
Ca ²⁺ , (MT)	9.88E+00	5.06E+01	4.07E+01	1.52E+02	9.98E+00	1.25E+01	1.01E+01	2.47E+00		6.96E-01
Cd ²⁺ , (MT)	2.21E+00	1.14E+01	9.12E+00	3.42E+01	2.24E+00	2.81E+00	2.26E+00	5.54E-01		1.54E-01
Ce ³⁺ , (MT)	2.37E+00	1.22E+01	9.78E+00	3.66E+01	2.40E+00	3.03E+00	2.43E+00	5.97E-01		1.84E-01
Cl-, (MT)	4.83E+02	2.48E+03	1.99E+03	7.47E+03	4.89E+02	6.13E+02	4.92E+02	1.21E+02		3.34E+01
Cm ³⁺ , (MT)	4.15E-07	2.13E-06	1.71E-06	6.42E-06	4.20E-07	5.27E-07	4.23E-07	1.04E-07		2.87E-08
Co ³⁺ , (MT)	5.14E-02	2.64E-01	2.12E-01	7.95E-01	5.20E-02	6.53E-02	5.24E-02	1.29E-02		3.62E-03
CO ₂ , (MT)										
CO ₃ ²⁻ , (MT)	1.15E-02	7.35E-02	5.90E-02	1.90E-01	1.45E-02	3.25E-02	2.61E-02	6.41E-03		1.60E-02
Cr ³⁺ , (MT)	1.32E+02	6.78E+02	5.45E+02	2.04E+03	1.34E+02	1.68E+02	1.35E+02	3.30E+01		9.15E+00
Cr(OH) ₄ -, (MT)										
Cs+, (MT)	8.51E-03	4.37E-02	3.51E-02	1.32E-01	8.62E-03	1.08E-02	8.68E-03	2.13E-03		6.01E-04
Cu ²⁺ , (MT)	2.19E-01	1.13E+00	9.05E-01	3.39E+00	2.22E-01	2.78E-01	2.24E-01	5.49E-02		1.53E-02
F-, (MT)	1.11E+03	5.68E+03	4.56E+03	1.71E+04	1.12E+03	1.40E+03	1.13E+03	2.77E+02		7.65E+01
Fe ³⁺ , (MT)	7.49E+00	3.85E+01	3.09E+01	1.16E+02	7.59E+00	9.58E+00	7.69E+00	1.89E+00		5.81E-01
FeCN ₆ ³⁻ , (MT)	3.51E+00	1.80E+01	1.45E+01	5.43E+01	3.55E+00	4.42E+00	3.55E+00	8.71E-01		2.14E-01
H+, (MT)	1.08E+02	5.52E+02	4.43E+02	1.66E+03	1.09E+02	1.36E+02	1.09E+02	2.67E+01		6.56E+00
H ₂ O, (MT)	1.33E+04	3.31E+05	2.66E+05	4.17E+05	6.53E+04	3.44E+05	2.76E+05	6.79E+04	5.46E+05	6.98E+05
Hg ²⁺ , (MT)	1.16E+00	5.94E+00	4.77E+00	1.79E+01	1.17E+00	1.47E+00	1.18E+00	2.89E-01		8.00E-02
I-, (MT)	2.32E-01	1.19E+00	9.56E-01	3.59E+00	2.35E-01	2.94E-01	2.36E-01	5.80E-02		1.61E-02
K+, (MT)	1.41E+03	7.26E+03	5.83E+03	2.19E+04	1.43E+03	1.79E+03	1.44E+03	3.54E+02		9.78E+01
La ³⁺ , (MT)	3.27E-01	1.68E+00	1.35E+00	5.06E+00	3.32E-01	4.19E-01	3.36E-01	8.25E-02		2.60E-02
Li ⁺ , (MT)	3.07E-02	1.58E-01	1.27E-01	4.75E-01	3.11E-02	3.90E-02	3.13E-02	7.69E-03		2.13E-03
Mg ²⁺ , (MT)	5.35E-01	2.75E+00	2.20E+00	8.26E+00	5.41E-01	6.79E-01	5.45E-01	1.34E-01		3.74E-02
MnO ₂ , (MT)	2.14E+01	1.10E+02	8.82E+01	3.31E+02	2.17E+01	2.71E+01	2.18E+01	5.35E+00		1.50E+00
Mn ²⁺ , (MT)	3.26E+00	1.67E+01	1.34E+01	5.04E+01	3.30E+00	4.13E+00	3.32E+00	8.15E-01		2.26E-01
Na+, (MT)	4.59E+03	1.01E+05	8.10E+04	1.33E+05	1.99E+04	1.02E+05	8.19E+04	2.01E+04		1.56E+05
Ni ³⁺ , (MT)	5.75E-01	2.95E+00	2.37E+00	8.89E+00	5.82E-01	7.31E-01	5.86E-01	1.44E-01		4.07E-02
NO, (MT)										
NO ₂ -, (MT)	4.29E-03	2.74E-02	2.20E-02	7.07E-02	5.40E-03	1.21E-02	9.73E-03	2.39E-03		5.98E-03
NO ₃ -, (MT)	1.13E+04	3.58E+05	2.87E+05	4.15E+05	7.06E+04	3.88E+05	3.12E+05	7.65E+04		5.41E+05
Np ⁴⁺ , (MT)	4.67E-03	2.40E-02	1.92E-02	7.22E-02	4.72E-03	5.92E-03	4.76E-03	1.17E-03		3.27E-04
OH-, (MT)	1.06E-01	6.73E-01	5.40E-01	1.74E+00	1.33E-01	2.98E-01	2.39E-01	5.87E-02		1.47E-01
Pb ⁴⁺ , (MT)	2.68E+00	1.38E+01	1.11E+01	4.15E+01	2.71E+00	3.40E+00	2.73E+00	6.71E-01		1.88E-01
PO ₄ ³⁻ , (MT)	5.10E+03	2.62E+04	2.10E+04	7.89E+04	5.16E+03	6.47E+03	5.20E+03	1.28E+03		3.53E+02
Poly, (MT)	4.38E+01	2.25E+02	1.80E+02	6.77E+02	4.43E+01	5.51E+01	4.43E+01	1.09E+01		2.67E+00
Pu ⁴⁺ , (MT)	8.08E-03	4.15E-02	3.33E-02	1.25E-01	8.19E-03	1.03E-02	8.25E-03	2.03E-03		5.81E-04
Rb ⁺ , (MT)	6.20E-02	3.18E-01	2.56E-01	9.59E-01	6.28E-02	7.87E-02	6.32E-02	1.55E-02		4.29E-03
Re ⁷⁺ , (MT)	4.61E-03	2.37E-02	1.90E-02	7.13E-02	4.67E-03	5.85E-03	4.70E-03	1.15E-03		3.22E-04
Rh ³⁺ , (MT)	1.21E-02	6.24E-02	5.01E-02	1.88E-01	1.23E-02	1.54E-02	1.24E-02	3.04E-03		8.77E-04
Ru ³⁺ , (MT)	2.67E-02	1.37E-01	1.10E-01	4.12E-01	2.70E-02	3.39E-02	2.72E-02	6.68E-03		1.89E-03
Sb ⁵⁺ , (MT)	5.59E-02	2.87E-01	2.30E-01	8.64E-01	5.66E-02	7.10E-02	5.70E-02	1.40E-02		4.02E-03
Se ⁶⁺ , (MT)	5.48E-01	2.82E+00	2.26E+00	8.48E+00	5.55E-01	6.96E-01	5.59E-01	1.37E-01		3.81E-02
Si ⁴⁺ , (MT)	1.34E+01	6.86E+01	5.51E+01	2.07E+02	1.35E+01	1.70E+01	1.36E+01	3.34E+00		9.28E-01
Sm ³⁺ , (MT)	3.11E-04	1.60E-03	1.28E-03	4.81E-03	3.15E-04	3.97E-04	3.19E-04	7.83E-05		2.43E-05
Sn ⁴⁺ , (MT)	4.93E-03	2.53E-02	2.03E-02	7.62E-02	4.99E-03	6.26E-03	5.02E-03	1.23E-03		3.42E-04
SO ₄ ²⁻ , (MT)	1.99E+03	1.02E+04	8.20E+03	3.08E+04	2.01E+03	2.52E+03	2.03E+03	4.98E+02		1.38E+02
St ²⁺ , (MT)	3.37E-01	1.73E+00	1.39E+00	5.22E+00	4.32E-01	5.45E-01	4.36E-01	8.51E-02		2.65E-02
TcO ₄ -, (MT)	2.95E+00	1.51E+01	1.22E+01	4.56E+01	2.98E+00	3.74E+00	3.00E+00	7.37E-01		2.04E-01
Te ⁶⁺ , (MT)	5.13E-03	2.64E-02	2.12E-02	7.93E-02	5.19E-03	6.53E-03	5.24E-03	1.29E-03		3.76E-04
Th ⁴⁺ , (MT)	1.62E-01	8.31E-01	6.67E-01	2.50E+00	1.64E-01	2.07E-01	1.66E-01	4.07E-02		1.24E-02
Ti ⁴⁺ , (MT)	6.48E-03	3.33E-02	2.68E-02	1.00E-01	6.57E-03	8.27E-03	6.64E-03	1.63E-03		4.87E-04
Tl ³⁺ , (MT)	2.97E-01	1.53E+00	1.23E+00	4.60E+00	3.01E-01	3.78E-01	3.03E-01	7.45E-02		2.10E-02
TOC, (MT)	7.77E+02	3.99E+03	3.20E+03	1.20E+04	7.87E+02	9.86E+02	7.91E+02	1.94E+02		5.38E+01
UO ₂ ²⁺ , (MT)	9.04E+01	4.64E+02	3.73E+02	1.40E+03	9.15E+01	1.15E+02	9.22E+01	2.26E+01		6.38E+00
V ⁵⁺ , (MT)	9.53E-03	4.90E-02	3.93E-02	1.47E-01	9.65E-03	1.21E-02	9.71E-03	2.39E-03		6.63E-04
W ⁶⁺ , (MT)	3.26E+00	1.67E+01	1.34E+01	5.04E+01	3.30E+00	4.14E+00	3.32E+00	8.15E-01		2.26E-01
Zn ²⁺ , (MT)	8.79E-01	4.52E+00	3.63E+00	1.36E+01	8.90E-01	1.12E+00	8.96E-01	2.20E-01		6.10E-02
ZnO ₂ ·2H ₂ O, (MT)	2.34E+01	1.20E+02	9.64E+01	3.61E+02	2.37E+01	2.97E+01	2.39E+01	5.86E+00		1.70E+00

STREAM NAME	14	15	16	17	18	19	20	21	22	23
SOLID COMPONENTS										
Total Mass Flow, (MT)	4.16E+01	6.97E+05	6.97E+02	1.17E+03	6.97E+05	6.97E+05	6.97E+02	6.97E+05		2.17E-01
Al, (MT)	8.30E-01	1.39E+04	1.39E+01	2.33E+01	1.39E+04	1.39E+04	1.39E+01	1.39E+04		2.83E-02
Fe, (MT)	5.99E-06	1.01E-01	1.00E-04	1.68E-04	1.00E-01	1.01E-01	1.00E-04	1.00E-01		5.58E-03
Cr, (MT)	4.95E-05	8.31E-01	8.30E-04	1.39E-03	8.30E-01	8.31E-01	8.30E-04	8.30E-01		
Na, (MT)	8.12E+00	1.36E+05	1.36E+02	2.28E+02	1.36E+05	1.36E+05	1.36E+02	1.36E+05		3.04E-02
Si, (MT)	6.94E-06	1.16E-01	1.16E-04	1.95E-04	1.16E-01	1.16E-01	1.16E-04	1.16E-01		2.95E-02
P, (MT)	6.23E-04	1.05E+01	1.05E-02	1.75E-02	1.05E+01	1.05E+01	1.05E-02	1.05E+01		1.35E-05
NO ₂ - and NO ₃ -, (MT)	2.76E+01	4.63E+05	4.63E+02	7.76E+02	4.63E+05	4.63E+05	4.63E+02	4.63E+05		
Cs and Ba, (MCl)	3.05E-07	5.12E-03	5.11E-06	8.57E-06	5.11E-03	5.12E-03	5.11E-06	5.11E-03		
Sr and Y, (MCl)	1.02E-06	1.71E-02	1.71E-05	2.87E-05	1.71E-02	1.71E-02	1.71E-05	1.71E-02		
Tc, (MCl)	1.15E-08	1.92E-04	1.92E-07	3.22E-07	1.92E-04	1.92E-04	1.92E-07	1.92E-04		
TRU, (MCl)	3.97E-09	6.66E-05	6.66E-08	1.12E-07	6.66E-05	6.66E-05	6.66E-08	6.66E-05		
Total MCl	3.80E-05	6.38E-01	6.38E-04	1.07E-03	6.38E-01	6.38E-01	6.38E-04	6.38E-01		
Ag ⁺ , (MT)	1.37E-08	2.30E-04	2.30E-07	3.85E-07	2.30E-04	2.30E-04	2.30E-07	2.30E-04		
Al ³⁺ , (MT)	8.30E-01	1.39E+04	1.39E+01	2.33E+01	1.39E+04	1.39E+04	1.39E+01	1.39E+04		
Am ³⁺ , (MT)	8.93E-10	1.50E-05	1.50E-08	2.51E-08	1.50E-05	1.50E-05	1.50E-08	1.50E-05		
As ⁵⁺ , (MT)	7.30E-08	1.23E-03	1.22E-06	2.05E-06	1.22E-03	1.23E-03	1.22E-06	1.22E-03		
B ³⁺ , (MT)	4.66E-08	7.82E-04	7.82E-07	1.31E-06	7.82E-04	7.82E-04	7.82E-07	7.82E-04		
Ba ²⁺ , (MT)	1.23E-07	2.07E-03	2.06E-06	3.46E-06	2.06E-03	2.07E-03	2.06E-06	2.06E-03		
Be ²⁺ , (MT)	3.13E-10	5.25E-06	5.24E-09	8.79E-09	5.24E-06	5.25E-06	5.24E-09	5.24E-06		
Bi ³⁺ , (MT)	2.47E-05	4.14E-01	4.14E-04	6.94E-04	4.14E-01	4.14E-01	4.14E-04	4.14E-01		
Carbon-14, (MT)	4.09E-10	6.87E-06	6.86E-09	1.15E-08	6.86E-06	6.87E-06	6.86E-09	6.86E-06		
Ca ²⁺ , (MT)	4.29E-06	7.20E-02	7.20E-05	1.21E-04	7.19E-02	7.20E-02	7.19E-05	7.19E-02		
Cancrinite, (MT)	1.07E-05	1.79E-01	1.79E-04	2.99E-04	1.79E-01	1.79E-01	1.79E-04	1.79E-01		1.79E-01
Ca ²⁺ , (MT)	8.60E-07	1.44E-02	1.44E-05	2.42E-05	1.44E-02	1.44E-02	1.44E-05	1.44E-02		
Ce ³⁺ , (MT)	1.81E-04	3.03E-02	3.03E-05	5.08E-05	3.03E-02	3.03E-02	3.03E-05	3.03E-02		
Cl ⁻ , (MT)	1.81E-04	3.03E+00	3.03E-03	5.08E-03	3.03E+00	3.03E+00	3.03E-03	3.03E+00		
Cm ³⁺ , (MT)	1.55E-13	2.61E-09	2.60E-12	4.36E-12	2.60E-09	2.61E-09	2.60E-12	2.60E-09		
CO ₂ , (MT)	2.22E-08	3.73E-04	3.73E-07	6.24E-07	3.73E-04	3.73E-04	3.73E-07	3.73E-04		
CO ₂ -2, (MT)	6.93E-07	1.16E-02	1.16E-05	1.95E-05	1.16E-02	1.16E-02	1.16E-05	1.16E-02		
Cr ³⁺ , (MT)	4.95E-05	8.31E-01	8.30E-04	1.39E-03	8.30E-01	8.31E-01	8.30E-04	8.30E-01		
Cs ⁺ , (MT)	3.71E-09	6.23E-05	6.23E-08	1.04E-07	6.23E-05	6.23E-05	6.23E-08	6.23E-05		
Cu ²⁺ , (MT)	8.50E-08	1.43E-03	1.43E-06	2.39E-06	1.43E-03	1.43E-03	1.43E-06	1.43E-03		
F ⁻ , (MT)	4.14E-04	6.94E+00	6.93E-03	1.16E-02	6.93E+00	6.94E+00	6.93E-03	6.93E+00		
Fe ³⁺ , (MT)	5.66E-06	9.49E-02	9.48E-05	1.59E-04	9.48E-02	9.49E-02	9.48E-05	9.48E-02		
H ₂ O, (MT)	4.99E+00	8.37E+04	8.37E+01	1.40E+02	8.37E+04	8.37E+04	8.37E+01	8.37E+04		
Hg ²⁺ , (MT)	4.32E-07	7.25E-03	7.25E-06	1.21E-05	7.24E-03	7.25E-03	7.24E-06	7.24E-03		
I ⁻ , (MT)	8.68E-08	1.46E-03	1.45E-06	2.44E-06	1.45E-03	1.46E-03	1.45E-06	1.45E-03		
K ⁺ , (MT)	5.29E-04	8.87E+00	8.86E-03	1.49E-02	8.86E+00	8.87E+00	8.86E-03	8.86E+00		
La ³⁺ , (MT)	2.74E-07	4.59E-03	4.59E-06	7.69E-06	4.59E-03	4.59E-03	4.59E-06	4.59E-03		
Li ⁺ , (MT)	1.16E-08	1.95E-04	1.95E-07	3.27E-07	1.95E-04	1.95E-04	1.95E-07	1.95E-04		
Mg ²⁺ , (MT)	2.19E-07	3.68E-03	3.67E-06	6.15E-06	3.67E-03	3.68E-03	3.67E-06	3.67E-03		
MnO ₂ , (MT)	8.75E-06	1.47E-01	1.47E-04	2.46E-04	1.47E-01	1.47E-01	1.47E-04	1.47E-01		
Mo ⁶⁺ , (MT)	1.24E-06	2.08E-02	2.08E-05	3.48E-05	2.08E-02	2.08E-02	2.08E-05	2.08E-02		
Na ⁺ , (MT)	8.12E+00	1.36E+05	1.36E+02	2.28E+02	1.36E+05	1.36E+05	1.36E+02	1.36E+05		
Ni ³⁺ , (MT)	2.54E-07	4.27E-03	4.26E-06	7.15E-06	4.26E-03	4.27E-03	4.26E-06	4.26E-03		
Ni ₂ Fe ₂ Si ₂ O ₁₀ , (MT)	1.96E-06	3.29E-02	3.29E-05	5.52E-05	3.29E-02	3.29E-02	3.29E-05	3.29E-02		3.29E-02
NO ₂ -, (MT)	2.59E-07	4.34E-03	4.33E-06	7.27E-06	4.33E-03	4.34E-03	4.33E-06	4.33E-03		
NO ₃ -, (MT)	2.76E+01	4.63E+05	4.63E+02	7.76E+02	4.63E+05	4.63E+05	4.63E+02	4.63E+05		
Not ⁴ , (MT)	1.91E-09	3.21E-05	3.21E-08	5.38E-08	3.21E-05	3.21E-05	3.21E-08	3.21E-05		
OH ⁻ , (MT)	6.35E-06	1.07E-01	1.06E-04	1.78E-04	1.06E-01	1.07E-01	1.06E-04	1.06E-01		
P ₂ O ₅ ·2H ₂ O, (MT)	7.92E-08	1.33E-03	1.33E-06	2.23E-06	1.33E-03	1.33E-03	1.33E-06	1.33E-03		1.33E-03
H ₂ O ₄ , (MT)	1.12E-06	1.88E-02	1.87E-05	3.14E-05	1.87E-02	1.88E-02	1.87E-05	1.87E-02		
FO ₄ -3, (MT)	1.91E-03	3.20E+01	3.20E-02	5.37E-02	3.20E+01	3.20E+01	3.20E-02	3.20E+01		
Poly, (MT)	2.43E-07	4.09E-03	4.08E-06	6.84E-06	4.08E-03	4.09E-03	4.08E-06	4.08E-03		4.08E-03
Ru ⁴⁺ , (MT)	4.00E-09	6.71E-05	6.71E-08	1.12E-07	6.71E-05	6.71E-05	6.71E-08	6.71E-05		
Rb ⁺ , (MT)	2.32E-08	3.89E-04	3.89E-07	6.52E-07	3.89E-04	3.89E-04	3.89E-07	3.89E-04		
Re ⁷⁺ , (MT)	1.87E-09	3.15E-05	3.14E-08	5.27E-08	3.14E-05	3.15E-05	3.14E-08	3.14E-05		
Rh ³⁺ , (MT)	6.23E-09	1.05E-04	1.04E-07	1.75E-07	1.04E-04	1.05E-04	1.04E-07	1.04E-04		
Ru ³⁺ , (MT)	1.20E-08	2.02E-04	2.02E-07	3.38E-07	2.02E-04	2.02E-04	2.02E-07	2.02E-04		
Sb ⁵⁺ , (MT)	2.80E-08	4.70E-04	4.70E-07	7.87E-07	4.70E-04	4.70E-04	4.70E-07	4.70E-04		
Se ⁶⁺ , (MT)	2.12E-07	3.56E-03	3.56E-06	5.96E-06	3.56E-03	3.56E-03	3.56E-06	3.56E-03		
Si ⁴⁺ , (MT)	5.18E-06	8.69E-02	8.68E-05	1.46E-04	8.68E-02	8.69E-02	8.68E-05	8.68E-02		
Sm ³⁺ , (MT)	2.42E-10	4.06E-06	4.06E-09	6.80E-09	4.06E-06	4.06E-06	4.06E-09	4.06E-06		
Sn ⁴⁺ , (MT)	1.90E-09	3.19E-05	3.19E-08	5.34E-08	3.19E-05	3.19E-05	3.19E-08	3.19E-05		
SO ₄ -2, (MT)	7.44E-04	1.25E+01	1.25E-02	2.09E-02	1.25E+01	1.25E+01	1.25E-02	1.25E+01		
Str ²⁺ , (MT)	2.71E-07	4.55E-03	4.55E-06	7.62E-06	4.55E-03	4.55E-03	4.55E-06	4.55E-03		
TcO ₄ -, (MT)	1.11E-06	1.86E-02	1.85E-05	3.11E-05	1.85E-02	1.86E-02	1.85E-05	1.85E-02		
Te ⁶⁺ , (MT)	2.89E-09	4.84E-05	4.84E-08	8.11E-08	4.84E-05	4.84E-05	4.84E-08	4.84E-05		
Th ⁴⁺ , (MT)	1.14E-07	1.91E-03	1.91E-06	3.20E-06	1.91E-03	1.91E-03	1.91E-06	1.91E-03		
Ti ⁴⁺ , (MT)	4.15E-09	6.97E-05	6.96E-08	1.17E-07	6.96E-05	6.97E-05	6.96E-08	6.96E-05		
Tl ³⁺ , (MT)	1.32E-07	2.21E-03	2.21E-06	3.70E-06	2.21E-03	2.21E-03	2.21E-06	2.21E-03		
TiO ₂ , (MT)	2.91E-04	4.88E+00	4.87E-03	8.17E-03	4.88E+00	4.88E+00	4.87E-03	4.87E+00		
UO ₂ -2, (MT)	3.95E-05	6.63E-01	6.63E-04	1.11E-03	6.62E-01	6.63E-01	6.62E-04	6.62E-01		
V ⁵⁺ , (MT)	3.72E-09	6.24E-05	6.23E-08	1.04E-07	6.23E-05	6.24E-05	6.23E-08	6.23E-05		
W ⁶⁺ , (MT)	1.22E-06	2.05E-02	2.04E-05	3.43E-05	2.04E-02	2.05E-02	2.04E-05	2.04E-02		
Zn ²⁺ , (MT)	3.35E-07	5.61E-03	5.61E-06	9.40E-06	5.61E-03	5.61E-03	5.61E-06	5.61E-03		
ZrO ₂ ·2H ₂ O, (MT)	1.25E-05	2.10E-01	2.10E-04	3.52E-04	2.10E-01	2.10E-01	2.10E-04	2.10E-01		

STREAM NAME LIQUID COMPONENTS	24	25	26	27	28	29	30	31	32	33
Total Mass Flow, (MT)	6.96E+05	1.82E+06	5.60E+05	1.04E+06	6.30E+05	4.76E+05	1.10E+06	4.02E+05	1.54E+05	7.76E+05
Al, (MT)	1.42E+04	2.56E+04	2.56E-01	2.56E+04	1.48E+04	1.12E+04	2.24E+04	8.20E+03	3.62E+03	1.39E+04
Fe, (MT)	7.27E-01	1.15E+00	9.18E-06	1.15E+00	1.15E+00	8.67E-01	1.15E+00	4.20E-01	2.80E-01	3.49E-01
Cr, (MT)	9.14E+00	1.44E+01	1.44E-04	1.44E+01	1.44E+01	1.09E+01	1.44E+01	5.29E+00	3.52E+00	4.39E+00
Na, (MT)	8.22E+04	2.04E+05	2.04E+00	1.46E+05	7.48E+04	5.66E+04	1.30E+05	4.76E+04	1.83E+04	9.13E+04
Si, (MT)	9.28E-01	1.47E+00	1.47E-05	1.47E+00	1.46E+00	1.11E+00	1.47E+00	5.37E-01	3.57E-01	4.46E-01
P, (MT)	1.15E+02	1.82E+02	1.82E-03	1.82E+02	1.82E+02	1.37E+02	1.82E+02	6.66E+01	4.44E+01	5.54E+01
NO ₂ - and NO ₃ -, (MT)	3.19E+05	7.25E+05	7.25E+00	5.70E+05	3.03E+05	2.29E+05	5.04E+05	1.85E+05	7.40E+04	3.42E+05
Cs and Ba, (MCl)	4.93E-02	7.78E-02	7.78E-06	7.78E-02	7.78E-02	5.88E-02	7.78E-02	2.85E-02	1.90E-02	2.37E-02
Sr and Y, (MCl)	9.98E-02	1.58E-01	1.58E-06	1.58E-01	1.58E-01	1.19E-01	1.58E-01	5.77E-02	3.84E-02	4.80E-02
Tc, (MCl)	2.11E-03	3.34E-03	3.34E-07	3.34E-03	3.34E-03	2.52E-03	3.34E-03	1.22E-03	8.14E-04	1.02E-03
TRU, (MCl)	6.09E-04	9.62E-04	9.62E-09	9.62E-04	9.62E-04	7.27E-04	9.62E-04	3.52E-04	2.35E-04	2.93E-04
Total MCl	3.74E+00	5.91E+00	6.68E-05	5.91E+00	5.91E+00	4.46E+00	5.91E+00	2.16E+00	1.44E+00	1.80E+00
Ag+, (MT)	2.27E-03	3.59E-03	3.59E-08	3.59E-03	3.59E-03	2.71E-03	3.59E-03	1.31E-03	8.75E-04	1.09E-03
Al+3, (MT)	1.42E+04	2.56E+04	2.56E-01	2.56E+04	1.48E+04	1.12E+04	2.24E+04	8.20E+03	3.62E+03	1.39E+04
Al(OH) ₄ -, (MT)										
Am+3, (MT)	1.39E-04	2.20E-04	2.20E-09	2.20E-04	2.20E-04	1.66E-04	2.20E-04	8.05E-05	5.36E-05	6.69E-05
As+5, (MT)	1.31E-02	2.07E-02	2.07E-07	2.07E-02	2.07E-02	1.56E-02	2.07E-02	7.57E-03	5.04E-03	6.29E-03
B+3, (MT)	7.05E-03	1.11E-02	1.11E-07	1.11E-02	1.11E-02	8.40E-03	1.11E-02	4.07E-03	2.71E-03	3.39E-03
Ba+2, (MT)	2.15E-02	3.39E-02	3.39E-07	3.39E-02	3.39E-02	2.56E-02	3.39E-02	1.24E-02	8.26E-03	1.03E-02
Be+2, (MT)	5.19E-05	8.20E-05	8.20E-10	8.20E-05	8.20E-05	6.20E-05	8.20E-05	3.00E-05	2.00E-05	2.50E-05
Bi+3, (MT)	4.44E+00	7.01E+00	7.01E-05	7.01E+00	7.01E+00	5.30E+00	7.01E+00	2.57E+00	1.71E+00	2.13E+00
Carbon-14, (MT)	7.57E-05	1.20E-04	1.20E-08	1.20E-04	1.20E-04	9.03E-05	1.20E-04	4.38E-05	2.92E-05	3.64E-05
Ca+2, (MT)	6.95E-01	1.10E+00	1.10E-05	1.10E+00	1.10E+00	8.29E-01	1.10E+00	4.02E-01	2.68E-01	3.34E-01
Cd+2, (MT)	1.54E-01	2.43E-01	2.43E-06	2.43E-01	2.43E-01	1.83E-01	2.43E-01	8.89E-02	5.92E-02	7.39E-02
Ce+3, (MT)	1.84E-01	2.91E-01	2.91E-06	2.91E-01	2.91E-01	2.20E-01	2.91E-01	1.07E-01	7.09E-02	8.85E-02
Cl-, (MT)	3.34E+01	5.28E+01	5.28E-04	5.27E+01	5.27E+01	3.99E+01	5.27E+01	1.93E+01	1.29E+01	1.61E+01
Cm+3, (MT)	2.87E-08	4.53E-08	4.53E-13	4.53E-08	4.53E-08	3.43E-08	4.53E-08	1.66E-08	1.11E-08	1.38E-08
Co+3, (MT)	3.62E-03	5.72E-03	5.72E-08	5.72E-03	5.71E-03	4.32E-03	5.72E-03	2.09E-03	1.40E-03	1.74E-03
CO ₂ , (MT)										
CO ₃ -2, (MT)	1.60E-02	2.53E-02	2.53E-07	2.53E-02	2.53E-02	1.91E-02	2.53E-02	9.27E-03	6.17E-03	7.70E-03
Cr+3, (MT)	9.14E+00	1.44E+01	1.44E-04	1.44E+01	1.44E+01	1.09E+01	1.44E+01	5.29E+00	3.52E+00	4.39E+00
Cr(OH) ₄ -, (MT)										
Cs+, (MT)	6.00E-04	9.48E-04	9.48E-08	9.48E-04	9.47E-04	7.16E-04	9.48E-04	3.47E-04	2.31E-04	2.89E-04
Cur-2, (MT)	1.52E-02	2.41E-02	2.41E-07	2.41E-02	2.41E-02	1.82E-02	2.41E-02	8.81E-03	5.87E-03	7.33E-03
F-, (MT)	7.65E+01	1.21E+02	1.21E-03	1.21E+02	1.21E+02	9.12E+01	1.21E+02	4.42E+01	2.95E+01	3.68E+01
Fe+3, (MT)	5.81E-01	9.18E-01	9.18E-06	9.17E-01	9.17E-01	6.93E-01	9.17E-01	3.36E-01	2.24E-01	2.79E-01
FeCN ₆ -3, (MT)	2.14E-01	3.38E-01	3.38E-01	3.38E-01	3.38E-01	2.55E-01	3.38E-01	1.24E-01	8.24E-02	1.03E-01
Ht, (MT)	6.55E+00	1.04E+01	1.04E+01	1.04E+01	1.04E+01	7.82E+00	1.03E+01	3.79E+00	3.15E+00	3.15E+00
H ₂ O, (MT)	2.80E+05	8.60E+05	5.60E+05	3.00E+05	2.36E+05	1.78E+05	4.41E+05	1.62E+05	5.75E+04	3.28E+05
Hg+2, (MT)	7.99E-02	1.26E-01	1.26E-06	1.26E-01	1.26E-01	9.54E-02	1.26E-01	4.62E-02	3.08E-02	3.84E-02
I-, (MT)	1.60E-02	2.53E-02	2.53E-07	2.53E-02	2.53E-02	1.91E-02	2.53E-02	9.28E-03	6.18E-03	7.71E-03
K+, (MT)	9.78E+01	1.54E+02	1.54E-03	1.54E+02	1.54E+02	1.17E+02	1.54E+02	5.65E+01	3.76E+01	4.70E+01
La+3, (MT)	2.60E-02	4.10E-02	4.10E-07	4.10E-02	4.10E-02	3.10E-02	4.10E-02	1.50E-02	1.00E-02	1.25E-02
Li+, (MT)	2.13E-03	3.36E-03	3.36E-08	3.36E-03	3.36E-03	2.54E-03	3.36E-03	1.23E-03	8.20E-04	1.02E-03
Mg+2, (MT)	3.74E-02	5.90E-02	5.90E-07	5.90E-02	5.90E-02	4.46E-02	5.90E-02	2.16E-02	1.44E-02	1.80E-02
Mn+2, (MT)	1.50E+00	2.36E+00	2.36E-05	2.36E+00	2.36E+00	1.78E+00	2.36E+00	8.65E-01	5.76E-01	7.19E-01
Mo+6, (MT)	2.26E-01	3.57E-01	3.57E-06	3.57E-01	3.56E-01	2.69E-01	3.56E-01	1.31E-01	8.70E-02	1.09E-01
Na+, (MT)	8.22E+04	2.04E+05	2.04E+00	1.46E+05	7.48E+04	5.66E+04	1.30E+05	4.76E+04	1.83E+04	9.13E+04
Ni+3, (MT)	4.06E-02	6.42E-02	6.42E-07	6.42E-02	6.41E-02	4.85E-02	6.41E-02	2.35E-02	1.57E-02	1.95E-02
NO, (MT)										
NO ₂ -, (MT)	5.98E-03	9.43E-03	9.43E-08	9.43E-03	9.43E-03	7.13E-03	9.43E-03	3.46E-03	2.30E-03	2.87E-03
NO ₃ -, (MT)	3.19E+05	7.25E+05	7.25E+00	5.70E+05	3.03E+05	2.29E+05	5.04E+05	1.85E+05	7.40E+04	3.42E+05
Np+4, (MT)	3.27E-04	5.15E-04	5.15E-09	5.15E-04	5.15E-04	3.89E-04	5.15E-04	1.89E-04	1.26E-04	1.57E-04
OH-, (MT)	1.47E-01	2.32E-01	2.32E-06	2.32E-01	2.32E-01	1.75E-01	2.32E-01	8.49E-02	5.65E-02	7.06E-02
Pb+4, (MT)	1.88E-01	2.97E-01	2.97E-06	2.97E-01	2.97E-01	2.24E-01	2.97E-01	1.09E-01	7.24E-02	9.04E-02
PO ₄ -3, (MT)	3.53E+02	5.57E+02	5.57E-03	5.57E+02	5.57E+02	4.21E+02	5.57E+02	2.04E+02	1.36E+02	1.70E+02
Poly, (MT)	2.67E+00	4.21E+00	4.21E+00	4.21E+00	4.21E+00	3.18E+00	4.21E+00	1.54E+00	1.03E+00	1.28E+00
Ru+4, (MT)	5.81E-04	9.17E-04	9.17E-09	9.17E-04	9.16E-04	6.93E-04	9.16E-04	3.36E-04	2.24E-04	2.79E-04
Rb+, (MT)	4.29E-03	6.77E-03	6.77E-08	6.77E-03	6.77E-03	5.12E-03	6.77E-03	2.48E-03	1.65E-03	2.06E-03
Rer7, (MT)	3.22E-04	5.09E-04	5.09E-09	5.09E-04	5.08E-04	3.84E-04	5.08E-04	1.86E-04	1.24E-04	1.55E-04
Rh+3, (MT)	8.77E-04	1.38E-03	1.38E-08	1.38E-03	1.38E-03	1.05E-03	1.38E-03	5.07E-04	3.38E-04	4.22E-04
Ru+3, (MT)	1.89E-03	2.98E-03	2.98E-07	2.98E-03	2.98E-03	2.25E-03	2.98E-03	1.09E-03	7.28E-04	9.08E-04
Sb+5, (MT)	4.02E-03	6.35E-03	6.35E-08	6.35E-03	6.34E-03	4.80E-03	6.35E-03	2.33E-03	1.55E-03	1.93E-03
Se+6, (MT)	3.81E-02	6.01E-02	6.01E-07	6.01E-02	6.01E-02	4.54E-02	6.01E-02	2.20E-02	1.47E-02	1.83E-02
Si+4, (MT)	9.28E-01	1.47E+00	1.47E-05	1.47E+00	1.46E+00	1.11E+00	1.47E+00	5.37E-01	3.57E-01	4.46E-01
Sm+3, (MT)	2.43E-05	3.83E-05	3.83E-10	3.83E-05	3.83E-05	2.90E-05	3.83E-05	1.40E-05	9.35E-06	1.17E-05
Sn+4, (MT)	3.42E-04	5.40E-04	5.40E-09	5.40E-04	5.40E-04	4.08E-04	5.40E-04	1.98E-04	1.32E-04	1.65E-04
SO ₄ -2, (MT)	1.38E+02	2.17E+02	2.17E-03	2.17E+02	2.17E+02	1.64E+02	2.17E+02	7.96E+01	5.30E+01	6.62E+01
Str+2, (MT)	2.65E-02	4.19E-02	4.19E-07	4.19E-02	4.19E-02	3.16E-02	4.19E-02	1.53E-02	1.02E-02	1.28E-02
TcO ₄ -, (MT)	2.04E-01	3.22E-01	3.22E-05	3.22E-01	3.22E-01	2.43E-01	3.22E-01	1.18E-01	7.85E-02	9.80E-02
Te+6, (MT)	3.76E-04	5.94E-04	5.94E-09	5.94E-04	5.93E-04	4.49E-04	5.94E-04	2.17E-04	1.45E-04	1.81E-04
Th+4, (MT)	1.24E-02	1.95E-02	1.95E-07	1.95E-02	1.95E-02	1.47E-02	1.95E-02	7.15E-03	4.76E-03	5.94E-03
Ti+4, (MT)	4.87E-04	7.68E-04	7.68E-09	7.68E-04	7.68E-04	5.80E-04	7.68E-04	2.81E-04	1.87E-04	2.34E-04
Tl+3, (MT)	2.10E-02	3.32E-02	3.32E-07	3.32E-02	3.32E-02	2.51E-02	3.32E-02	1.53E-02	8.10E-03	1.01E-02
TOC, (MT)	5.37E+01	8.48E+01	8.48E-03	8.48E+01	8.48E+01	6.41E+01	8.48E+01	3.11E+01	2.07E+01	2.58E+01
UO ₂ +2, (MT)	6.38E+00	1.01E+01	1.01E-04	1.01E+01	1.01E+01	7.61E+00	1.01E+01	3.69E+00	2.46E+00	3.07E+00
V+5, (MT)	6.63E-04	1.05E-03	1.05E-08	1.05E-03	1.05E-03	7.91E-04	1.05E-03	3.83E-04	2.55E-04	3.19E-04
W+6, (MT)	2.26E-01	3.56E-01	3.56E-06	3.56E-01	3.56E-01	2.69E-01	3.56E-01	1.30E-01	8.68E-02	1.08E-01
Zn+2, (MT)	6.09E-02	9.62E-02	9.62E-07	9.62E-02	9.62E-02	7.27E-02	9.62E-02	3.52E-02	2.35E-02	2.93E-02
ZnO ₂ ·2H ₂ O, (MT)	1.70E+00	2.68E+00	2.68E-05	2.68E+00	2.68E+00	2.03E+00	2.68E+00	9.83E-01	6.54E-01	8.17E-01

STREAM NAME SOLID COMPONENTS	24	25	26	27	28	29	30	31	32	33
Total Mass Flow, (MT)	6.97E+02	4.03E+02		2.13E+05	6.27E+05	4.77E+02	1.10E+03	4.03E+02	6.27E+05	6.27E+05
Al, (MT)	1.20E+01	6.95E+00		9.97E+00	1.08E+04	8.19E+00	1.89E+01	6.92E+00	1.08E+04	1.08E+04
Fe, (MT)	6.71E-06	5.58E-03		5.69E-03	6.04E-03	4.59E-06	1.06E-05	3.88E-06	6.03E+04	6.04E-03
Cr, (MT)	7.89E-06	4.56E-06		1.71E-03	7.10E-03	5.40E-06	1.25E-05	4.56E-06	7.10E-03	7.10E-03
Na, (MT)	1.43E+02	8.29E+01		5.76E+04	1.29E+05	9.81E+01	2.26E+02	8.29E+01	1.29E+05	1.29E+05
Si, (MT)	3.36E-05	2.95E-02		2.97E-02	3.02E-02	2.30E-05	5.30E-05	1.94E-05	3.02E-02	3.02E-02
P, (MT)	9.94E-05	7.10E-05		2.15E-02	8.95E-02	6.80E-05	1.57E-04	5.75E-05	8.94E-02	8.95E-02
NO ₂ - and NO ₃ -, (MT)	4.69E+02	2.71E+02		1.55E+05	4.22E+05	3.21E+02	7.41E+02	2.71E+02	4.22E+05	4.22E+05
Cs and Ba, (MCI)	4.25E-08	2.46E-08		9.20E-06	3.83E-05	2.91E-08	6.72E-08	2.46E-08	3.83E-05	3.83E-05
Sr and Y, (MCI)	8.62E-08	4.98E-08		1.86E-05	7.76E-05	5.90E-08	1.36E-07	4.98E-08	7.76E-05	7.76E-05
Tc, (MCI)	1.83E-09	1.06E-09		3.95E-07	1.64E-06	1.25E-09	2.88E-09	1.06E-09	1.64E-06	1.64E-06
TRU, (MCI)	5.25E-10	3.04E-10		1.14E-07	4.73E-07	3.60E-10	8.30E-10	3.04E-10	4.73E-07	4.74E-07
Total MCI	3.23E-06	1.87E-06		6.99E-04	2.91E-03	2.21E-06	5.10E-06	1.87E-06	2.91E-03	2.91E-03
Ag+, (MT)	1.96E-09	1.13E-09		4.24E-07	1.77E-06	1.34E-09	3.10E-09	1.13E-09	1.76E-06	1.77E-06
Al ³⁺ , (MT)	1.20E+01	6.92E+00		9.94E+00	1.08E+04	8.19E+00	1.89E+01	6.92E+00	1.08E+04	1.08E+04
Am ³⁺ , (MT)	1.20E-10	6.94E-11		2.60E-08	1.08E-07	8.22E-11	1.90E-10	6.94E-11	1.08E-07	1.08E-07
As ⁵⁺ , (MT)	1.13E-08	6.54E-09		2.44E-06	1.02E-05	7.73E-09	1.78E-08	6.54E-09	1.02E-05	1.02E-05
B ³⁺ , (MT)	6.08E-09	3.52E-09		1.32E-06	5.47E-06	4.16E-09	9.60E-09	3.52E-09	5.47E-06	5.48E-06
Ba ²⁺ , (MT)	1.85E-08	1.07E-08		4.01E-06	1.67E-05	1.27E-08	2.92E-08	1.07E-08	1.67E-05	1.67E-05
Be ²⁺ , (MT)	4.48E-11	2.59E-11		9.70E-09	4.04E-08	3.07E-11	7.08E-11	2.59E-11	4.03E-08	4.04E-08
Bi ³⁺ , (MT)	1.83E-09	2.22E-06		8.29E-04	3.45E-03	2.62E-06	6.05E-06	2.22E-06	3.45E-03	3.45E-03
Carbon-14, (MT)	6.53E-11	3.78E-11		1.41E-08	5.88E-08	4.47E-11	1.03E-10	3.78E-11	5.88E-08	5.89E-08
Ca ²⁺ , (MT)	6.00E-07	3.47E-07		1.30E-04	5.40E-04	4.11E-07	9.47E-07	3.47E-07	5.40E-04	5.40E-04
Cancrinite, (MT)	1.99E-04	1.79E-01		1.79E-01	1.79E-01	1.36E-04	3.13E-04	1.79E-01	1.79E-01	1.79E-01
CaH ₂ , (MT)	1.33E-07	7.68E-08		2.87E-05	1.20E-04	9.08E-08	2.10E-07	7.68E-08	1.19E-04	1.20E-04
Ce ³⁺ , (MT)	1.59E-07	9.19E-08		3.44E-05	1.43E-04	1.09E-07	2.51E-07	9.19E-08	1.43E-04	1.43E-04
Cl ⁻ , (MT)	2.88E-05	1.67E-05		6.24E-03	2.60E-02	1.97E-05	4.55E-05	1.67E-05	2.59E-02	2.60E-02
Cm ³⁺ , (MT)	2.47E-14	1.43E-14		5.35E-12	2.23E-11	1.70E-14	3.91E-14	1.43E-14	2.23E-11	2.23E-11
CO ³⁺ , (MT)	3.13E-09	1.81E-09		6.76E-07	2.81E-06	2.14E-09	4.93E-09	1.81E-09	2.81E-06	2.81E-06
CO ₃ ²⁻ , (MT)	1.38E-08	8.00E-09		2.99E-06	1.25E-05	9.46E-09	2.18E-08	8.00E-09	1.24E-05	1.25E-05
Cr ³⁺ , (MT)	7.89E-06	4.56E-06		1.71E-03	7.10E-03	5.40E-06	1.25E-05	4.56E-06	7.10E-03	7.10E-03
Cs ⁺ , (MT)	5.18E-10	3.00E-10		1.12E-07	4.67E-07	3.55E-10	8.18E-10	3.00E-10	4.66E-07	4.67E-07
Cu ²⁺ , (MT)	1.32E-08	7.61E-09		2.85E-06	1.18E-05	9.00E-09	2.08E-08	7.61E-09	1.18E-05	1.18E-05
F ⁻ , (MT)	6.60E-05	3.82E-05		1.43E-02	5.94E-02	4.52E-05	1.04E-04	3.82E-05	5.94E-02	5.94E-02
Fe ³⁺ , (MT)	5.02E-07	2.90E-07		1.09E-04	4.52E-04	3.43E-07	7.92E-07	2.90E-07	4.51E-04	4.52E-04
H ₂ O, (MT)	7.20E+01	4.16E+01		7.71E+01	6.48E+04	4.93E+01	1.14E+02	4.16E+01	6.48E+04	6.48E+04
Hg ²⁺ , (MT)	6.90E-08	3.99E-08		1.47E-05	6.21E-05	4.72E-08	1.09E-07	3.99E-08	6.21E-05	6.21E-05
I ⁻ , (MT)	1.39E-08	8.01E-09		3.00E-06	1.25E-05	9.48E-09	2.19E-08	8.01E-09	1.25E-05	1.25E-05
K ⁺ , (MT)	8.44E-05	4.88E-05		1.83E-02	7.60E-02	5.77E-05	1.33E-04	4.88E-05	7.60E-02	7.60E-02
La ³⁺ , (MT)	2.24E-08	1.30E-08		4.85E-06	2.02E-05	1.53E-08	3.54E-08	1.30E-08	2.02E-05	2.02E-05
Li ⁺ , (MT)	1.84E-09	1.06E-09		3.98E-07	1.66E-06	1.26E-09	2.90E-09	1.06E-09	1.66E-06	1.66E-06
Mg ²⁺ , (MT)	3.23E-08	1.87E-08		6.98E-06	2.91E-05	2.21E-08	5.09E-08	1.87E-08	2.90E-05	2.91E-05
MnO ₂ , (MT)	1.29E-06	7.47E-07		2.79E-04	1.16E-03	8.83E-07	2.04E-06	7.47E-07	1.16E-03	1.16E-03
Mo ⁶⁺ , (MT)	1.95E-07	1.13E-07		4.22E-05	1.76E-04	1.33E-07	3.08E-07	1.13E-07	1.76E-04	1.76E-04
Na ⁺ , (MT)	1.43E+02	8.29E+01		5.76E+04	1.29E+05	9.81E+01	2.26E+02	8.29E+01	1.29E+05	1.29E+05
Ni ³⁺ , (MT)	3.51E-08	2.03E-08		7.59E-06	3.16E-05	2.40E-08	5.54E-08	2.03E-08	3.16E-05	3.16E-05
Ni ₂ Fe ₂ O ₄ , (MT)	3.66E-05	3.29E-02		3.29E-02	3.29E-02	2.50E-05	5.77E-05	3.29E-02	3.29E-02	3.29E-02
NO ₂ -, (MT)	5.16E-09	2.98E-09		1.12E-06	4.64E-06	3.53E-09	8.14E-09	2.98E-09	4.64E-06	4.64E-06
NO ₃ -, (MT)	4.69E+02	2.71E+02		1.55E+05	4.22E+05	3.21E+02	7.41E+02	2.71E+02	4.22E+05	4.22E+05
Np ⁴⁺ , (MT)	2.82E-10	1.63E-10		6.10E-08	2.54E-07	1.93E-10	4.45E-10	1.63E-10	2.54E-07	2.54E-07
OH ⁻ , (MT)	1.27E-07	7.33E-08		2.74E-05	1.14E-04	8.67E-08	2.00E-07	7.33E-08	1.14E-04	1.14E-04
P ₂ O ₅ :2H ₂ O, (MT)	1.46E-06	1.33E-03		1.33E-03	1.33E-03	1.01E-06	2.33E-06	1.33E-03	1.33E-03	1.33E-03
Pb ⁴⁺ , (MT)	1.62E-07	9.38E-08		3.51E-05	1.46E-04	1.11E-07	2.56E-07	9.38E-08	1.46E-04	1.46E-04
PO ₄ ³⁻ , (MT)	3.05E-04	1.76E-04		6.59E-02	2.74E-01	2.08E-04	4.81E-04	1.76E-04	2.74E-01	2.74E-01
Poly, (MT)	4.54E-06	4.08E-03		4.08E-03	4.08E-03	3.10E-06	7.16E-06	4.08E-03	4.08E-03	4.08E-03
Ru ⁴⁺ , (MT)	5.01E-10	2.90E-10		1.08E-07	4.51E-07	3.43E-10	7.91E-10	2.90E-10	4.51E-07	4.51E-07
Rb ⁺ , (MT)	3.70E-09	2.14E-09		8.01E-07	3.33E-06	2.53E-09	5.84E-09	2.14E-09	3.33E-06	3.33E-06
Re ⁷⁺ , (MT)	2.78E-10	1.61E-10		6.01E-08	2.50E-07	1.90E-10	4.39E-10	1.61E-10	2.50E-07	2.50E-07
Rh ³⁺ , (MT)	7.56E-10	4.37E-10		1.64E-07	6.81E-07	5.18E-10	1.20E-09	4.37E-10	6.81E-07	6.82E-07
Ru ³⁺ , (MT)	1.63E-09	9.42E-10		3.53E-07	1.47E-06	1.12E-09	2.57E-09	9.42E-10	1.47E-06	1.47E-06
Sb ⁵⁺ , (MT)	3.47E-09	2.01E-09		7.51E-07	3.12E-06	2.38E-09	5.48E-09	2.01E-09	3.12E-06	3.13E-06
Se ⁶⁺ , (MT)	3.29E-08	1.90E-08		7.11E-06	2.96E-05	2.25E-08	5.19E-08	1.90E-08	2.96E-05	2.96E-05
Si ⁴⁺ , (MT)	8.01E-07	4.63E-07		1.73E-04	7.21E-04	5.48E-07	1.26E-06	4.63E-07	7.21E-04	7.21E-04
Sn ³⁺ , (MT)	2.09E-11	1.21E-11		4.53E-09	1.89E-08	1.43E-11	3.31E-11	1.21E-11	1.88E-08	1.89E-08
Sn ⁴⁺ , (MT)	2.95E-10	1.71E-10		6.39E-08	2.66E-07	2.02E-10	4.66E-10	1.71E-10	2.66E-07	2.66E-07
SO ₄ ²⁻ , (MT)	1.19E-04	6.87E-05		2.57E-02	1.07E-01	8.13E-05	1.88E-04	6.87E-05	1.07E-01	1.07E-01
St ²⁺ , (MT)	2.29E-08	1.32E-08		4.95E-06	2.06E-05	1.57E-08	3.61E-08	1.32E-08	2.06E-05	2.06E-05
ToO ₄ -, (MT)	1.76E-07	1.02E-07		3.81E-05	1.59E-04	1.21E-07	2.78E-07	1.02E-07	1.59E-04	1.59E-04
Te ⁶⁺ , (MT)	3.24E-10	1.88E-10		7.02E-08	2.92E-07	2.22E-10	5.12E-10	1.88E-10	2.92E-07	2.92E-07
Th ⁴⁺ , (MT)	1.07E-08	6.17E-09		2.31E-06	9.60E-06	7.30E-09	1.68E-08	6.17E-09	9.60E-06	9.60E-06
Ti ⁴⁺ , (MT)	4.20E-10	2.43E-10		9.08E-08	3.78E-07	2.87E-10	6.63E-10	2.43E-10	3.78E-07	3.78E-07
Tl ³⁺ , (MT)	1.82E-08	1.05E-08		3.93E-06	1.63E-05	1.24E-08	2.87E-08	1.05E-08	1.63E-05	1.63E-05
TCC, (MT)	4.64E-05	2.68E-05		1.00E-02	4.18E-02	3.17E-05	7.32E-05	2.68E-05	4.17E-02	4.18E-02
UO ₂ ²⁺ , (MT)	5.51E-06	3.18E-06		1.19E-03	4.96E-03	3.77E-06	8.69E-06	3.18E-06	4.96E-03	4.96E-03
V ⁵⁺ , (MT)	5.72E-10	3.31E-10		1.24E-07	5.15E-07	3.91E-10	9.03E-10	3.31E-10	5.15E-07	5.15E-07
W ⁶⁺ , (MT)	1.95E-07	1.13E-07		4.21E-05	1.75E-04	1.33E-07	3.07E-07	1.13E-07	1.75E-04	1.75E-04
ZnH ₂ , (MT)	5.26E-08	3.04E-08		1.14E-05	4.74E-05	3.60E-08	8.30E-08	3.04E-08	4.74E-05	4.74E-05
ZrO ₂ :2H ₂ O, (MT)	1.47E-06	8.48E-07		3.17E-04	1.32E-03	1.00E-06	2.32E-06	8.48E-07	1.32E-03	1.32E-03

STREAM NAME LIQUID COMPONENTS	34	35	36	37	38	41	42	43	44	45
Total Mass Flow, (MT)	6.22E+05	1.54E+05	7.76E+05	6.22E+05	1.54E+05	5.18E+05	1.23E+06	6.22E+05	1.44E+06	4.31E+05
Al, (MT)	1.12E+04	2.76E+03	1.29E+04	1.03E+04	2.55E+03		1.33E+04	1.01E+04	1.66E+04	1.66E-01
Fe, (MT)	2.80E-01	6.92E-02	8.65E-02	6.94E-02	1.71E-02		1.76E-02	1.73E-02	2.32E-02	1.87E-07
Cr, (MT)	3.52E+00	8.70E-01	1.09E+00	8.74E-01	2.16E-01		2.23E-01	2.19E-01	2.95E-01	2.95E-06
Na, (MT)	7.32E+04	1.81E+04	9.11E+04	7.31E+04	1.81E+04		1.47E+05	7.30E+04	1.71E+05	1.71E+00
Si, (MT)	3.58E-01	8.84E-02	1.11E-01	8.87E-02	2.19E-02		2.26E-02	2.23E-02	2.99E-02	2.99E-07
P, (MT)	4.44E+01	1.10E+01	1.37E+01	1.10E+01	2.72E+00		2.81E+00	2.76E+00	3.71E+00	3.71E-05
NO ₂ - and NO ₃ -, (MT)	2.74E+05	6.78E+04	3.34E+05	2.68E+05	6.62E+04		4.88E+05	2.67E+05	5.75E+05	1.75E+00
Cs and Ba, (MCl)	1.90E-02	4.69E-03	5.88E-03	4.71E-03	1.16E-03		1.20E-03	1.18E-03	1.59E-03	1.59E-07
Sr and Y, (MCl)	3.85E-02	9.50E-03	1.19E-02	9.54E-03	2.36E-03		2.43E-03	2.39E-03	3.22E-03	3.22E-08
Tc, (MCl)	8.15E-04	2.01E-04	2.52E-04	2.02E-04	4.99E-05		5.16E-05	5.07E-05	6.81E-05	6.81E-09
TRU, (MCl)	2.35E-04	5.80E-05	7.26E-05	5.82E-05	1.44E-05		1.49E-05	1.46E-05	1.96E-05	1.96E-10
Total MCl	1.44E+00	3.56E-01	4.46E-01	3.58E-01	8.84E-02		9.13E-02	8.97E-02	1.21E-01	1.36E-06
Ag+, (MT)	8.76E-04	2.16E-04	2.71E-04	2.17E-04	5.36E-05		5.54E-05	5.45E-05	7.32E-05	7.32E-10
Al+3, (MT)	1.12E+04	2.76E+03	1.29E+04	1.03E+04	2.55E+03		1.33E+04	1.01E+04	1.66E+04	1.66E-01
Al(OH) ₄ -, (MT)										
Am+3, (MT)	5.36E-05	1.33E-05	1.66E-05	1.33E-05	3.29E-06		3.39E-06	3.34E-06	4.48E-06	4.48E-11
As+5, (MT)	5.05E-03	1.25E-03	1.56E-03	1.25E-03	3.09E-04		3.19E-04	3.14E-04	4.22E-04	4.22E-09
B+3, (MT)	2.72E-03	6.71E-04	8.40E-04	6.73E-04	1.66E-04		1.72E-04	1.69E-04	2.27E-04	2.27E-09
Ba+2, (MT)	8.27E-03	2.04E-03	2.56E-03	2.05E-03	5.07E-04		5.23E-04	5.15E-04	6.91E-04	6.91E-09
Be+2, (MT)	2.00E-05	4.95E-06	6.19E-06	4.97E-06	1.23E-06		1.27E-06	1.25E-06	1.67E-06	1.67E-11
Bi+3, (MT)	1.71E+00	4.23E-01	5.29E-01	4.24E-01	1.05E-01		1.08E-01	1.07E-01	1.43E-01	1.43E-06
Carbon-14, (MT)	2.92E-05	7.21E-06	9.03E-06	7.24E-06	1.79E-06		1.85E-06	1.82E-06	2.44E-06	2.44E-10
Ce+2, (MT)	2.68E-01	6.62E-02	8.29E-02	6.65E-02	1.64E-02		1.70E-02	1.67E-02	2.24E-02	2.24E-07
Cd+2, (MT)	5.93E-02	1.46E-02	1.83E-02	1.47E-02	3.63E-03		3.75E-03	3.69E-03	4.95E-03	4.95E-08
Ce+3, (MT)	7.10E-02	1.75E-02	2.20E-02	1.76E-02	4.35E-03		4.49E-03	4.42E-03	5.93E-03	5.93E-08
Cl-, (MT)	1.29E+01	3.18E+00	3.98E+00	3.19E+00	7.89E-01		8.15E-01	8.01E-01	1.08E+00	1.08E-05
Cm+3, (MT)	1.11E-08	2.73E-09	3.42E-09	2.74E-09	6.77E-10		7.00E-10	6.86E-10	9.23E-10	9.23E-15
Co+3, (MT)	1.40E-03	3.45E-04	4.32E-04	3.46E-04	8.55E-05		8.83E-05	8.69E-05	1.17E-04	1.17E-09
CO ₂ , (MT)										
Co+2, (MT)	6.18E-03	1.53E-03	1.91E-03	1.53E-03	3.78E-04		3.91E-04	3.84E-04	5.16E-04	5.16E-09
Cr+3, (MT)	3.52E+00	8.70E-01	1.09E+00	8.74E-01	2.16E-01		2.23E-01	2.19E-01	2.95E-01	2.95E-06
Cr(OH) ₄ -, (MT)										
Cst, (MT)	2.31E-04	5.72E-05	7.16E-05	5.74E-05	1.42E-05		1.46E-05	1.44E-05	1.93E-05	1.93E-09
Cu+2, (MT)	5.88E-03	1.45E-03	1.82E-03	1.46E-03	3.60E-04		3.72E-04	3.66E-04	4.91E-04	4.91E-09
F-, (MT)	2.95E+01	7.28E+00	9.12E+00	7.31E+00	1.81E+00		1.87E+00	1.83E+00	2.46E+00	2.46E-05
Fe+3, (MT)	2.24E-01	5.53E-02	6.93E-02	5.56E-02	1.37E-02		1.42E-02	1.39E-02	1.79E-02	1.87E-07
FeCN-3, (MT)	8.23E-02	2.03E-02	2.53E-02	2.03E-02	5.00E-03		5.00E-03	4.92E-03	6.61E-03	
H+, (MT)	2.52E+00	6.23E-01	7.74E-01	6.21E-01	1.53E-01		1.53E-01	1.51E-01	2.03E-01	
H ₂ O, (MT)	2.63E+05	6.50E+04	3.38E+05	2.71E+05	6.69E+04	5.18E+05	5.84E+05	2.73E+05	6.73E+05	4.31E+05
Hg+2, (MT)	3.08E-02	7.61E-03	9.53E-03	7.64E-03	1.89E-03		1.95E-03	1.92E-03	2.58E-03	2.58E-08
I-, (MT)	6.18E-03	1.53E-03	1.91E-03	1.53E-03	3.79E-04		3.91E-04	3.85E-04	5.17E-04	5.17E-08
K+, (MT)	3.77E+01	9.31E+00	1.17E+01	9.34E+00	2.31E+00		2.38E+00	2.34E+00	3.15E+00	3.15E-05
La+3, (MT)	1.00E-02	2.47E-03	3.09E-03	2.48E-03	6.13E-04		6.33E-04	6.23E-04	8.36E-04	8.36E-09
Li+, (MT)	8.21E-04	2.03E-04	2.54E-04	2.04E-04	5.03E-05		5.19E-05	5.11E-05	6.86E-05	6.86E-10
Mg+2, (MT)	1.44E-02	3.56E-03	4.46E-03	3.57E-03	8.83E-04		9.12E-04	8.97E-04	1.21E-03	1.21E-08
MnO ₂ , (MT)	5.77E-01	1.42E-01	1.78E-01	1.43E-01	3.53E-02		3.65E-02	3.59E-02	4.82E-02	4.82E-07
Mn+6, (MT)	8.71E-02	2.15E-02	2.69E-02	2.16E-02	5.33E-03		5.51E-03	5.42E-03	7.28E-03	7.28E-08
Na+, (MT)	7.32E+04	1.81E+04	9.11E+04	7.31E+04	1.81E+04		1.47E+05	7.30E+04	1.71E+05	1.71E+00
Ni+3, (MT)	1.57E-02	3.87E-03	4.84E-03	3.88E-03	9.60E-04		9.91E-04	9.75E-04	1.31E-03	1.31E-08
NO, (MT)										
NO ₂ -, (MT)	2.30E-03	5.69E-04	7.12E-04	5.71E-04	1.41E-04		1.46E-04	1.43E-04	1.93E-04	1.93E-09
NO ₃ -, (MT)	2.74E+05	6.78E+04	3.34E+05	2.68E+05	6.62E+04		4.88E+05	2.67E+05	5.75E+05	1.75E+00
Np+4, (MT)	1.26E-04	3.11E-05	3.89E-05	3.12E-05	7.71E-06		7.96E-06	7.83E-06	1.05E-05	1.05E-10
OH-, (MT)	5.66E-02	1.40E-02	1.75E-02	1.40E-02	3.47E-03		3.58E-03	3.52E-03	4.73E-03	4.73E-08
Pb+4, (MT)	7.25E-02	1.79E-02	2.24E-02	1.80E-02	4.44E-03		4.58E-03	4.51E-03	6.06E-03	6.06E-08
PO ₄ -3, (MT)	1.36E+02	3.36E+01	4.21E+01	3.37E+01	8.33E+00		8.61E+00	8.46E+00	1.14E+01	1.14E-04
Poly, (MT)	1.03E+00	2.54E-01	3.15E-01	2.53E-01	6.24E-02		6.24E-02	6.14E-02	8.24E-02	
Rb+4, (MT)	2.24E-04	5.53E-05	6.92E-05	5.55E-05	1.37E-05		1.42E-05	1.39E-05	1.87E-05	1.87E-10
Rb+, (MT)	1.65E-03	4.08E-04	5.11E-04	4.10E-04	1.01E-04		1.05E-04	1.03E-04	1.38E-04	1.38E-09
Re+7, (MT)	1.24E-04	3.07E-05	3.84E-05	3.08E-05	7.61E-06		7.86E-06	7.73E-06	1.04E-05	1.04E-10
Rh+3, (MT)	3.38E-04	8.35E-05	1.05E-04	8.38E-05	2.07E-05		2.14E-05	2.10E-05	2.83E-05	2.83E-10
Ru+3, (MT)	7.28E-04	1.80E-04	2.25E-04	1.81E-04	4.46E-05		4.61E-05	4.53E-05	6.09E-05	6.09E-09
Sb+5, (MT)	1.55E-03	3.83E-04	4.79E-04	3.84E-04	9.49E-05		9.81E-05	9.64E-05	1.30E-04	1.30E-09
Se+6, (MT)	1.47E-02	3.63E-03	4.54E-03	3.64E-03	8.99E-04		9.29E-04	9.13E-04	1.23E-03	1.23E-08
Si+4, (MT)	3.58E-01	8.84E-02	1.11E-01	8.87E-02	2.19E-02		2.26E-02	2.23E-02	2.99E-02	2.99E-07
Sm+3, (MT)	9.35E-06	2.31E-06	2.89E-06	2.32E-06	5.73E-07		5.92E-07	5.82E-07	7.82E-07	7.82E-12
Sn+4, (MT)	1.32E-04	3.26E-05	4.08E-05	3.27E-05	8.08E-06		8.35E-06	8.21E-06	1.10E-05	1.10E-10
SO ₄ -2, (MT)	5.30E+01	1.31E+01	1.64E+01	1.32E+01	3.25E+00		3.36E+00	3.30E+00	4.43E+00	4.43E-05
Str+2, (MT)	1.02E-02	2.53E-03	3.16E-03	2.54E-03	6.26E-04		6.47E-04	6.36E-04	8.55E-04	8.55E-09
TaO ₄ -, (MT)	7.86E-02	1.94E-02	2.43E-02	1.95E-02	4.82E-03		4.97E-03	4.89E-03	6.57E-03	6.57E-07
Ta+6, (MT)	1.45E-04	3.58E-05	4.48E-05	3.59E-05	8.88E-06		9.17E-06	9.02E-06	1.21E-05	1.21E-10
Tb+4, (MT)	4.76E-03	1.18E-03	1.47E-03	1.18E-03	2.92E-04		3.01E-04	2.96E-04	3.98E-04	3.98E-09
Ti+4, (MT)	1.88E-04	4.63E-05	5.80E-05	4.65E-05	1.15E-05		1.19E-05	1.17E-05	1.57E-05	1.57E-10
Tl+3, (MT)	8.11E-03	2.00E-03	2.51E-03	2.01E-03	4.97E-04		5.13E-04	5.04E-04	6.77E-04	6.77E-09
TCC, (MT)	2.07E+01	5.12E+00	6.41E+00	5.14E+00	1.27E+00		1.31E+00	1.29E+00	1.73E+00	1.73E-04
UD+2, (MT)	2.46E+00	6.07E-01	7.60E-01	6.10E-01	1.51E-01		1.56E-01	1.53E-01	2.06E-01	2.06E-06
V+5, (MT)	2.56E-04	6.31E-05	7.90E-05	6.34E-05	1.57E-05		1.62E-05	1.59E-05	2.14E-05	2.14E-10
W+6, (MT)	8.69E-02	2.15E-02	2.69E-02	2.16E-02	5.33E-03		5.50E-03	5.41E-03	7.26E-03	7.26E-08
Zn+2, (MT)	2.35E-02	5.80E-03	7.27E-03	5.83E-03	1.44E-03		1.49E-03	1.46E-03	1.96E-03	1.96E-08
ZrO ₂ -2H ₂ O, (MT)	6.55E-01	1.62E-01	2.03E-01	1.62E-01	4.01E-02		4.15E-02	4.08E-02	5.48E-02	5.48E-07

STREAM NAME	34	35	36	37	38	41	42	43	44	45
SOLID COMPONENTS										
Total Mass Flow, (MT)	6.23E+02	6.27E+05	6.27E+05	6.23E+02	6.27E+05		6.48E+04	6.23E+02	6.50E+04	
Al, (MT)	1.07E+01	1.08E+04	1.08E+04	1.07E+01	1.08E+04		2.83E-02	5.35E+00	1.77E+00	
Fe, (MT)	6.00E-06	6.03E-03	6.04E-03	6.00E-06	6.03E-03		5.58E-03	6.49E-06	5.58E-03	
Cr, (MT)	7.06E-06	7.10E-03	7.10E-03	7.05E-06	7.09E-03			1.64E-07	5.36E-08	
Na, (MT)	1.28E+02	1.29E+05	1.29E+05	1.28E+02	1.29E+05		3.04E-02	1.28E+02	4.18E+01	
Si, (MT)	3.00E-05	3.02E-02	3.02E-02	3.00E-05	3.02E-02		2.95E-02	3.42E-05	2.95E-02	
P, (MT)	8.89E-05	8.94E-02	8.94E-02	8.89E-05	8.93E-02		1.35E-05	2.08E-06	1.42E-05	
NO ₂ - and NO ₃ -, (MT)	4.20E+02	4.22E+05	4.22E+05	4.20E+02	4.22E+05			3.82E+02	1.25E+02	
Cs and Ba, (MCl)	3.80E-08	3.83E-05	3.83E-05	3.80E-08	3.82E-05			8.84E-10	2.89E-10	
Sr and Y, (MCl)	7.70E-08	7.75E-05	7.75E-05	7.70E-08	7.74E-05			1.79E-09	5.85E-10	
Tc, (MCl)	1.63E-09	1.64E-06	1.64E-06	1.63E-09	1.64E-06			3.80E-11	1.24E-11	
TRU, (MCl)	4.70E-10	4.73E-07	4.73E-07	4.70E-10	4.73E-07			1.09E-11	3.57E-12	
Total MCl	2.89E-06	2.91E-03	2.91E-03	2.89E-06	2.90E-03			6.71E-08	2.19E-08	
Ag+, (MT)	1.75E-09	1.76E-06	1.76E-06	1.75E-09	1.76E-06			4.08E-11	1.33E-11	
Al+3, (MT)	1.07E+01	1.08E+04	1.08E+04	1.07E+01	1.08E+04			5.35E+00	1.75E+00	
Am+3, (MT)	1.07E-10	1.08E-07	1.08E-07	1.07E-10	1.08E-07			2.50E-12	8.15E-13	
As+5, (MT)	1.01E-08	1.02E-05	1.02E-05	1.01E-08	1.02E-05			2.35E-10	7.67E-11	
B+3, (MT)	5.44E-09	5.47E-06	5.47E-06	5.43E-09	5.46E-06			1.26E-10	4.12E-11	
Ba+2, (MT)	1.66E-08	1.67E-05	1.67E-05	1.65E-08	1.66E-05			3.85E-10	1.26E-10	
Be+2, (MT)	4.01E-11	4.03E-08	4.03E-08	4.00E-11	4.03E-08			9.32E-13	3.04E-13	
Bi+3, (MT)	3.43E-06	3.45E-03	3.45E-03	3.42E-06	3.44E-03			7.98E-08	2.60E-08	
Carbon-14, (MT)	5.85E-11	5.88E-08	5.88E-08	5.83E-11	5.87E-08			1.36E-12	4.43E-13	
Cat2, (MT)	5.37E-07	5.40E-04	5.40E-04	5.36E-07	5.39E-04			1.25E-08	4.08E-09	
Cancrinite, (MT)	1.78E-04	1.79E-01	1.79E-01	1.78E-04	1.79E-01		1.79E-01	2.07E-04	1.79E-01	
Ca+2, (MT)	1.19E-07	1.19E-04	1.19E-04	1.19E-07	1.19E-04			2.76E-09	9.01E-10	
Ce+3, (MT)	1.42E-07	1.43E-04	1.43E-04	1.42E-07	1.43E-04			3.31E-09	1.08E-09	
Cl-, (MT)	2.58E-05	2.59E-02	2.59E-02	2.58E-05	2.59E-02			6.00E-07	1.96E-07	
Cm+3, (MT)	2.22E-14	2.23E-11	2.23E-11	2.21E-14	2.23E-11					
CO+3, (MT)	2.80E-09	2.81E-06	2.81E-06	2.79E-09	2.81E-06			6.50E-11	2.12E-11	
CO ₃ -2, (MT)	1.24E-08	1.24E-05	1.24E-05	1.24E-08	1.24E-05			2.88E-10	9.39E-11	
Cr+3, (MT)	7.06E-06	7.10E-03	7.10E-03	7.05E-06	7.09E-03			1.64E-07	5.36E-08	
Cs+, (MT)	4.63E-10	4.66E-07	4.66E-07	4.63E-10	4.66E-07			1.08E-11	3.52E-12	
Cu+2, (MT)	1.18E-08	1.18E-05	1.18E-05	1.18E-08	1.18E-05			2.73E-10	8.92E-11	
F-, (MT)	5.90E-05	5.94E-02	5.94E-02	5.90E-05	5.93E-02			1.37E-06	4.48E-07	
Fe+3, (MT)	4.49E-07	4.51E-04	4.51E-04	4.48E-07	4.51E-04			1.04E-08	3.41E-09	
H ₂ O, (MT)	6.44E+01	6.48E+04	6.48E+04	6.44E+01	6.48E+04		6.48E+04	1.07E+02	6.48E+04	
Hg+2, (MT)	6.17E-08	6.21E-05	6.21E-05	6.16E-08	6.20E-05			1.43E-09	4.68E-10	
I-, (MT)	1.24E-08	1.25E-05	1.25E-05	1.24E-08	1.24E-05			2.88E-10	9.39E-11	
K+, (MT)	7.55E-05	7.59E-02	7.59E-02	7.54E-05	7.58E-02			1.76E-06	5.73E-07	
La+3, (MT)	2.00E-08	2.02E-05	2.02E-05	2.00E-08	2.01E-05			4.66E-10	1.52E-10	
Li+, (MT)	1.64E-09	1.65E-06	1.65E-06	1.64E-09	1.65E-06			3.82E-11	1.25E-11	
Mg+2, (MT)	2.89E-08	2.90E-05	2.90E-05	2.88E-08	2.90E-05			6.71E-10	2.19E-10	
MnO ₂ , (MT)	1.15E-06	1.16E-03	1.16E-03	1.15E-06	1.16E-03			2.69E-08	8.77E-09	
Mn+6, (MT)	1.74E-07	1.75E-04	1.75E-04	1.74E-07	1.75E-04			4.06E-09	1.32E-09	
Nat, (MT)	1.28E+02	1.29E+05	1.29E+05	1.28E+02	1.29E+05			1.28E+02	4.18E+01	
Ni+3, (MT)	3.14E-08	3.16E-05	3.16E-05	3.13E-08	3.15E-05			7.29E-10	2.38E-10	
Ni ₂ FeCN ₆ , (MT)	3.27E-05	3.29E-02	3.29E-02	3.27E-05	3.29E-02		3.29E-02	3.82E-05	3.29E-02	
NO ₂ -, (MT)	4.61E-09	4.64E-06	4.64E-06	4.61E-09	4.64E-06			1.07E-10	3.50E-11	
NO ₃ -, (MT)	4.20E+02	4.22E+05	4.22E+05	4.20E+02	4.22E+05			3.82E+02	1.25E+02	
Np+4, (MT)	2.52E-10	2.54E-07	2.54E-07	2.52E-10	2.53E-07			5.86E-12	1.91E-12	
OH-, (MT)	1.13E-07	1.14E-04	1.14E-04	1.13E-07	1.14E-04			2.64E-09	8.60E-10	
P ₂ O ₅ -2H ₂ O, (MT)	1.32E-06	1.33E-03	1.33E-03	1.32E-06	1.33E-03		1.33E-03	1.54E-06	1.33E-03	
Pb+4, (MT)	1.45E-07	1.46E-04	1.46E-04	1.45E-07	1.46E-04			3.37E-09	1.10E-09	
PO ₄ -3, (MT)	2.72E-04	2.74E-01	2.74E-01	2.72E-04	2.74E-01			6.34E-06	2.07E-06	
Poly, (MT)	4.06E-06	4.08E-03	4.09E-03	4.06E-06	4.08E-03		4.08E-03	4.74E-06	4.08E-03	
Ru+4, (MT)	4.48E-10	4.51E-07	4.51E-07	4.47E-10	4.50E-07			1.04E-11	3.40E-12	
Rb+, (MT)	3.31E-09	3.33E-06	3.33E-06	3.31E-09	3.33E-06			7.70E-11	2.51E-11	
Re+7, (MT)	2.49E-10	2.50E-07	2.50E-07	2.48E-10	2.50E-07			5.78E-12	1.89E-12	
Rh+3, (MT)	6.77E-10	6.81E-07	6.81E-07	6.76E-10	6.80E-07			1.57E-11	5.13E-12	
Ru+3, (MT)	1.46E-09	1.47E-06	1.47E-06	1.46E-09	1.47E-06			3.39E-11	1.11E-11	
Sb+5, (MT)	3.10E-09	3.12E-06	3.12E-06	3.10E-09	3.12E-06			7.21E-11	2.35E-11	
Se+6, (MT)	2.94E-08	2.96E-05	2.96E-05	2.94E-08	2.95E-05			6.83E-10	2.23E-10	
Si+4, (MT)	7.16E-07	7.21E-04	7.21E-04	7.16E-07	7.20E-04			1.67E-08	5.44E-09	
Sm+3, (MT)	1.87E-11	1.88E-08	1.88E-08	1.87E-11	1.88E-08			4.35E-13	1.42E-13	
Sn+4, (MT)	2.64E-10	2.66E-07	2.66E-07	2.64E-10	2.65E-07			6.14E-12	2.00E-12	
SO ₄ -2, (MT)	1.06E-04	1.07E-01	1.07E-01	1.06E-04	1.07E-01			2.47E-06	8.07E-07	
St+2, (MT)	2.05E-08	2.06E-05	2.06E-05	2.05E-08	2.06E-05			4.76E-10	1.55E-10	
ToO ₄ -, (MT)	1.57E-07	1.58E-04	1.58E-04	1.57E-07	1.58E-04			3.66E-09	1.19E-09	
Te+6, (MT)	2.90E-10	2.92E-07	2.92E-07	2.90E-10	2.92E-07			6.75E-12	2.20E-12	
Th+4, (MT)	9.54E-09	9.60E-06	9.60E-06	9.52E-09	9.59E-06			2.22E-10	7.24E-11	
Ti+4, (MT)	3.76E-10	3.78E-07	3.78E-07	3.75E-10	3.77E-07			8.73E-12	2.85E-12	
Tl+3, (MT)	1.62E-08	1.63E-05	1.63E-05	1.62E-08	1.63E-05			3.77E-10	1.23E-10	
TCC, (MT)	4.15E-05	4.17E-02	4.17E-02	4.14E-05	4.17E-02			9.65E-07	3.15E-07	
UC ₂ +2, (MT)	4.92E-06	4.95E-03	4.95E-03	4.92E-06	4.95E-03			1.15E-07	3.74E-08	
VH ₅ , (MT)	5.12E-10	5.15E-07	5.15E-07	5.11E-10	5.14E-07			1.19E-11	3.88E-12	
W+6, (MT)	1.74E-07	1.75E-04	1.75E-04	1.74E-07	1.75E-04			4.05E-09	1.32E-09	
ZH ₂ , (MT)	4.70E-08	4.73E-05	4.73E-05	4.70E-08	4.73E-05			1.09E-09	3.57E-10	
ZrO ₂ -2H ₂ O, (MT)	1.31E-06	1.32E-03	1.32E-03	1.31E-06	1.32E-03			3.05E-08	9.96E-09	

STREAM NAME LIQUID COMPONENTS	46	47	48	49	50	51	52	53	54	55
Total Mass Flow, (MT)	8.11E+05	5.34E+05	4.02E+05	8.25E+05	2.03E+05	1.32E+05	5.55E+05	4.24E+05	1.32E+05	5.72E+05
Al, (MT)	1.66E+04	1.20E+04	9.03E+03	1.34E+04	3.30E+03	2.96E+03	5.72E+03	4.36E+03	1.36E+03	3.73E+03
Fe, (MT)	2.32E-02	2.32E-02	1.75E-02	2.29E-02	5.64E-03	5.73E-03	7.15E-03	5.45E-03	1.70E-03	1.91E-03
Cr, (MT)	2.94E-01	2.94E-01	2.22E-01	2.91E-01	7.15E-02	7.27E-02	9.06E-02	6.91E-02	2.15E-02	2.42E-02
Na, (MT)	1.18E+05	6.05E+04	4.56E+04	9.68E+04	2.38E+04	1.49E+04	6.72E+04	5.13E+04	1.60E+04	7.06E+04
Si, (MT)	2.99E-02	2.99E-02	2.25E-02	2.95E-02	7.26E-03	7.38E-03	9.20E-03	7.02E-03	2.18E-03	2.46E-03
P, (MT)	3.71E+00	3.71E+00	2.79E+00	3.66E+00	9.01E-01	9.15E-01	1.14E+00	8.71E-01	2.71E-01	3.05E-01
NO ₂ - and NO ₃ -, (MT)	4.34E+05	2.46E+05	1.85E+05	3.54E+05	8.70E+04	6.07E+04	2.21E+05	1.68E+05	5.24E+04	2.16E+05
Cs and Ba, (MCI)	1.59E-03	1.59E-03	1.20E-03	1.57E-03	3.86E-04	3.92E-04	4.88E-04	3.73E-04	1.16E-04	1.31E-04
Sr and Y, (MCI)	3.22E-03	3.21E-03	2.42E-03	3.18E-03	7.81E-04	7.93E-04	9.89E-04	7.55E-04	2.35E-04	2.65E-04
Tc, (MCI)	6.81E-05	6.81E-05	5.13E-05	6.72E-05	1.65E-05	1.68E-05	2.10E-05	1.60E-05	4.97E-06	5.60E-06
TRU, (MCI)	1.96E-05	1.96E-05	1.48E-05	1.94E-05	4.77E-06	4.84E-06	6.04E-06	4.61E-06	1.43E-06	1.62E-06
Total MCI	1.21E-01	1.21E-01	9.08E-02	1.19E-01	2.93E-02	2.97E-02	3.71E-02	2.83E-02	8.80E-03	9.92E-03
Ag+, (MT)	7.32E-05	7.32E-05	5.51E-05	7.23E-05	1.78E-05	1.81E-05	2.25E-05	1.72E-05	5.34E-06	6.02E-06
Al+3, (MT)	1.66E+04	1.20E+04	9.03E+03	1.34E+04	3.30E+03	2.96E+03	5.72E+03	4.36E+03	1.36E+03	3.73E+03
Al(OH) ₄ -, (MT)	4.48E-06	4.48E-06	3.38E-06	4.43E-06	1.09E-06	1.11E-06	1.38E-06	1.05E-06	3.27E-07	3.69E-07
Am+3, (MT)	4.22E-04	4.22E-04	3.18E-04	4.17E-04	1.03E-04	1.04E-04	1.30E-04	9.90E-05	3.08E-05	3.47E-05
B+3, (MT)	2.27E-04	2.27E-04	1.71E-04	2.24E-04	5.51E-05	5.60E-05	6.98E-05	5.33E-05	1.66E-05	1.87E-05
Bat+2, (MT)	6.91E-04	6.91E-04	5.20E-04	6.82E-04	1.68E-04	1.71E-04	2.13E-04	1.62E-04	5.04E-05	5.68E-05
Bat+2, (MT)	1.67E-06	1.67E-06	1.26E-06	1.65E-06	4.07E-07	4.13E-07	5.15E-07	3.93E-07	1.22E-07	1.38E-07
Bi+3, (MT)	1.43E-01	1.43E-01	1.08E-01	1.41E-01	3.48E-02	3.53E-02	4.40E-02	3.36E-02	1.04E-02	1.18E-02
Carbon-14, (MT)	2.44E-06	2.44E-06	1.84E-06	2.41E-06	5.93E-07	6.02E-07	7.50E-07	5.72E-07	1.78E-07	2.01E-07
Cat+2, (MT)	2.24E-02	2.24E-02	1.69E-02	2.21E-02	5.44E-03	5.53E-03	6.89E-03	5.26E-03	1.63E-03	1.84E-03
Cd+2, (MT)	4.95E-03	4.95E-03	3.73E-03	4.89E-03	1.20E-03	1.22E-03	1.52E-03	1.16E-03	3.62E-04	4.08E-04
Cet+3, (MT)	5.93E-03	5.93E-03	4.47E-03	5.86E-03	1.44E-03	1.46E-03	1.83E-03	1.39E-03	4.33E-04	4.88E-04
Cl-, (MT)	1.08E+00	1.08E+00	8.10E-01	1.06E+00	2.62E-01	2.66E-01	3.31E-01	2.53E-01	7.85E-02	8.85E-02
Cmt+3, (MT)	9.23E-10	9.23E-10	6.95E-10	9.11E-10	2.24E-10	2.28E-10	2.84E-10	2.16E-10	6.73E-11	7.56E-11
CO+3, (MT)	1.17E-04	1.17E-04	8.78E-05	1.15E-04	2.88E-05	2.88E-05	3.59E-05	2.74E-05	8.51E-06	9.60E-06
CO ₂ , (MT)	5.16E-04	5.16E-04	3.89E-04	5.10E-04	1.25E-04	1.27E-04	1.59E-04	1.21E-04	3.77E-05	4.25E-05
CO ₂ -2, (MT)	2.94E-01	2.94E-01	2.22E-01	2.91E-01	7.15E-02	7.27E-02	9.06E-02	6.91E-02	2.15E-02	2.42E-02
Cr(OH) ₄ -, (MT)	1.93E-05	1.93E-05	1.46E-05	1.91E-05	4.70E-06	4.77E-06	5.95E-06	4.54E-06	1.41E-06	1.59E-06
Cst+, (MT)	4.91E-04	4.91E-04	3.70E-04	4.85E-04	1.19E-04	1.21E-04	1.51E-04	1.15E-04	3.58E-05	4.04E-05
Cut+2, (MT)	2.46E+00	2.46E+00	1.86E+00	2.43E+00	5.99E-01	6.08E-01	7.58E-01	5.78E-01	1.80E-01	2.03E-01
F-, (MT)	1.87E-02	1.87E-02	1.41E-02	1.85E-02	4.55E-03	4.62E-03	5.76E-03	4.39E-03	1.37E-03	1.54E-03
Fe+3, (MT)	6.61E-03	6.61E-03	4.98E-03	6.53E-03	1.61E-03	1.63E-03	2.03E-03	1.55E-03	4.82E-04	5.42E-04
FeCN ₆ -3, (MT)	2.03E-01	2.03E-01	1.53E-01	2.00E-01	4.92E-02	5.00E-02	6.23E-02	4.75E-02	1.48E-02	1.66E-02
H+, (MT)	2.43E+05	2.15E+05	1.62E+05	3.61E+05	8.89E+04	5.31E+04	2.61E+05	1.99E+05	6.20E+04	2.81E+05
H ₂ O, (MT)	2.58E-03	2.57E-03	1.94E-03	2.54E-03	6.26E-04	6.35E-04	7.92E-04	6.04E-04	1.88E-04	2.12E-04
Hg+2, (MT)	5.17E-04	5.17E-04	3.89E-04	5.10E-04	1.26E-04	1.28E-04	1.59E-04	1.21E-04	3.77E-05	4.25E-05
I-, (MT)	3.15E+00	3.15E+00	2.37E+00	3.11E+00	7.65E-01	7.77E-01	9.69E-01	7.39E-01	2.30E-01	2.59E-01
Lat+3, (MT)	8.36E-04	8.36E-04	6.30E-04	8.26E-04	2.06E-04	2.06E-04	2.57E-04	1.96E-04	6.10E-05	6.88E-05
Li+, (MT)	6.86E-05	6.86E-05	5.16E-05	6.77E-05	1.67E-05	1.69E-05	2.11E-05	1.61E-05	5.01E-06	5.64E-06
Mg+2, (MT)	1.20E-03	1.20E-03	9.07E-04	1.19E-03	2.93E-04	2.97E-04	3.71E-04	2.83E-04	8.79E-05	9.91E-05
MnO ₂ , (MT)	4.82E-02	4.82E-02	3.63E-02	4.76E-02	1.17E-02	1.19E-02	1.48E-02	1.13E-02	3.52E-03	3.96E-03
Mt+6, (MT)	7.27E-03	7.27E-03	5.48E-03	7.18E-03	1.77E-03	1.80E-03	2.24E-03	1.71E-03	5.31E-04	5.98E-04
Nat+, (MT)	1.18E+05	6.05E+04	4.56E+04	9.68E+04	2.38E+04	1.49E+04	6.72E+04	5.13E+04	1.60E+04	7.06E+04
Ni+3, (MT)	1.31E-03	1.31E-03	9.86E-04	1.29E-03	3.18E-04	3.23E-04	4.03E-04	3.07E-04	9.55E-05	1.08E-04
NO, (MT)	1.93E-04	1.92E-04	1.45E-04	1.90E-04	4.68E-05	4.75E-05	5.92E-05	4.52E-05	1.41E-05	1.58E-05
NO ₂ -, (MT)	4.34E+05	2.46E+05	1.85E+05	3.54E+05	8.70E+04	6.07E+04	2.21E+05	1.68E+05	5.24E+04	2.16E+05
NO ₃ -, (MT)	1.05E-05	1.05E-05	7.92E-06	1.04E-05	2.56E-06	2.60E-06	3.24E-06	2.47E-06	7.67E-07	8.65E-07
Np+4, (MT)	4.73E-03	4.73E-03	3.56E-03	4.67E-03	1.15E-03	1.17E-03	1.46E-03	1.15E-03	3.45E-04	3.89E-04
OH-, (MT)	6.05E-03	6.05E-03	4.56E-03	5.98E-03	1.47E-03	1.49E-03	1.86E-03	1.42E-03	4.42E-04	4.98E-04
Hb+4, (MT)	1.14E+01	1.14E+01	8.56E+00	1.12E+01	2.76E+00	2.80E+00	3.50E+00	2.67E+00	8.29E-01	9.35E-01
PO ₄ -3, (MT)	8.24E-02	8.24E-02	6.21E-02	8.14E-02	2.00E-02	2.04E-02	2.54E-02	1.93E-02	6.01E-03	6.76E-03
Poly, (MT)	1.87E-05	1.87E-05	1.41E-05	1.85E-05	4.55E-06	4.62E-06	5.75E-06	4.39E-06	1.37E-06	1.54E-06
Prt+4, (MT)	1.38E-04	1.38E-04	1.04E-04	1.36E-04	3.36E-05	3.41E-05	4.25E-05	3.24E-05	1.01E-05	1.14E-05
Rbt+, (MT)	1.04E-05	1.04E-05	7.81E-06	1.03E-05	2.52E-06	2.56E-06	3.19E-06	2.44E-06	7.57E-07	8.54E-07
Rat+7, (MT)	2.82E-05	2.82E-05	2.13E-05	2.79E-05	6.86E-06	6.97E-06	8.69E-06	6.63E-06	2.06E-06	2.32E-06
Rht+3, (MT)	6.09E-05	6.08E-05	4.58E-05	6.01E-05	1.48E-05	1.50E-05	1.87E-05	1.43E-05	4.46E-06	5.01E-06
Rut+3, (MT)	1.30E-04	1.30E-04	9.75E-05	1.28E-04	3.15E-05	3.20E-05	3.99E-05	3.04E-05	9.45E-06	1.07E-05
Sb+5, (MT)	1.23E-03	1.23E-03	9.24E-04	1.21E-03	2.98E-04	3.03E-04	3.77E-04	2.88E-04	8.95E-05	1.01E-04
Set+6, (MT)	2.99E-02	2.99E-02	2.25E-02	2.95E-02	7.26E-03	7.38E-03	9.20E-03	7.02E-03	2.18E-03	2.46E-03
Si+4, (MT)	7.82E-07	7.81E-07	5.89E-07	7.72E-07	1.90E-07	1.93E-07	2.41E-07	1.84E-07	5.70E-08	6.43E-08
Sm+3, (MT)	1.10E-05	1.10E-05	8.30E-06	1.09E-05	2.68E-06	2.72E-06	3.39E-06	2.59E-06	8.04E-07	9.07E-07
Srt+4, (MT)	4.43E+00	4.43E+00	3.34E+00	4.38E+00	1.08E+00	1.09E+00	1.36E+00	1.04E+00	3.24E-01	3.65E-01
SO ₄ -2, (MT)	8.54E-04	8.54E-04	6.43E-04	8.44E-04	2.08E-04	2.11E-04	2.63E-04	2.15E-04	6.24E-05	7.03E-05
Srt+2, (MT)	6.57E-03	6.57E-03	4.95E-03	6.49E-03	1.60E-03	1.62E-03	2.02E-03	1.54E-03	4.79E-04	5.40E-04
TcO ₄ -, (MT)	1.21E-05	1.21E-05	9.12E-06	1.20E-05	2.94E-06	2.99E-06	3.73E-06	2.84E-06	8.84E-07	9.96E-07
Te+6, (MT)	3.98E-04	3.98E-04	3.00E-04	3.93E-04	9.67E-05	9.82E-05	1.23E-04	9.34E-05	2.91E-05	3.27E-05
Th+4, (MT)	1.57E-05	1.57E-05	1.18E-05	1.55E-05	3.81E-06	3.87E-06	4.82E-06	3.68E-06	1.14E-06	1.29E-06
Tl+3, (MT)	6.77E-04	6.77E-04	5.10E-04	6.69E-04	1.65E-04	1.67E-04	2.08E-04	1.59E-04	4.94E-05	5.57E-05
TOC, (MT)	1.73E+00	1.73E+00	1.30E+00	1.71E+00	4.21E-01	4.27E-01	5.32E-01	4.06E-01	1.26E-01	1.42E-01
UO ₂ +2, (MT)	2.05E-01	2.05E-01	1.55E-01	2.03E-01	4.99E-02	5.07E-02	6.32E-02	4.82E-02	1.50E-02	1.69E-02
V+5, (MT)	2.14E-05	2.13E-05	1.61E-05	2.11E-05	5.19E-06	5.27E-06	6.57E-06	5.01E-06	1.56E-06	1.76E-06
W+6, (MT)	7.26E-03	7.26E-03	5.47E-03	7.17E-03	1.77E-03	1.79E-03	2.24E-03	1.71E-03	5.30E-04	5.98E-04
Zn+2, (MT)	1.96E-03	1.96E-03	1.48E-03	1.94E-03	4.77E-04	4.84E-04	6.04E-04	4.61E-04	1.43E-04	1.62E-04
ZrO ₂ .2H ₂ O, (MT)	5.47E-02	5.47E-02	4.12E-02	5.41E-02	1.33E-02	1.35E-02	1.68E-02	1.29E-02	4.00E-03	4.50E-03

STREAM NAME SOLID COMPONENTS	46	47	48	49	50	51	52	53	54	55
Total Mass Flow, (MT)	2.59E+05	5.37E+05	4.02E+02	8.26E+02	2.03E+02	5.37E+05	5.37E+05	4.24E+02	5.37E+05	6.05E+05
Al, (MT)	4.88E+00	4.61E+03	3.45E+00	7.10E+00	1.75E+00	4.61E+03	4.61E+03	3.64E+00	4.61E+03	4.61E+03
Fe, (MT)	5.59E-03	5.59E-03	4.19E-06	8.60E-06	2.12E-06	5.59E-03	5.59E-03	4.42E-06	5.59E-03	9.72E-03
Cr, (MT)	5.52E-05	1.42E-04	1.06E-07	2.18E-07	5.36E-08	1.42E-04	1.42E-04	1.12E-07	1.42E-04	1.42E-04
Na, (MT)	5.26E+04	1.10E+05	8.26E+01	1.70E+02	4.18E+01	1.10E+05	1.10E+05	8.71E+01	1.10E+05	1.10E+05
Si, (MT)	2.95E-02	2.95E-02	2.21E-05	4.54E-05	1.12E-05	2.95E-02	2.95E-02	2.33E-05	2.95E-02	5.13E-02
P, (MT)	7.09E-04	1.80E-03	1.35E-06	2.76E-06	6.80E-07	1.80E-03	1.80E-03	1.42E-06	1.80E-03	1.81E-03
NO ₂ - and NO ₃ -, (MT)	1.42E+05	3.30E+05	2.47E+02	5.07E+02	1.25E+02	3.29E+05	3.30E+05	2.60E+02	3.29E+05	3.29E+05
Cs and Ba, (MT)	2.98E-07	7.63E-07	5.72E-10	1.17E-09	2.89E-10	7.63E-07	7.63E-07	6.02E-10	7.63E-07	7.63E-07
Sr and Y, (MT)	6.03E-07	1.55E-06	1.16E-09	2.38E-09	5.85E-10	1.55E-06	1.55E-06	1.22E-09	1.55E-06	1.55E-06
Tc, (MT)	1.28E-08	3.27E-08	2.45E-11	5.04E-11	1.24E-11	3.27E-08	3.27E-08	2.58E-11	3.27E-08	3.27E-08
TRU, (MT)	3.68E-09	9.44E-09	7.07E-12	1.45E-11	3.57E-12	9.44E-09	9.44E-09	7.45E-12	9.44E-09	9.44E-09
Total MCI	2.26E-05	5.80E-05	4.34E-08	8.92E-08	2.19E-08	5.79E-05	5.80E-05	4.58E-08	5.79E-05	5.79E-05
Ag+, (MT)	1.37E-08	3.52E-08	2.64E-11	5.41E-11	1.33E-11	3.52E-08	3.52E-08	2.78E-11	3.52E-08	3.52E-08
Al+3, (MT)	4.86E+00	4.61E+03	3.45E+00	7.10E+00	1.75E+00	4.61E+03	4.61E+03	3.64E+00	4.61E+03	4.61E+03
Am+3, (MT)	8.41E-10	2.16E-09	1.61E-12	3.32E-12	8.15E-13	2.15E-09	2.16E-09	1.70E-12	2.15E-09	2.15E-09
As+5, (MT)	7.91E-08	2.03E-07	1.52E-10	3.12E-10	7.67E-11	2.03E-07	2.03E-07	1.60E-10	2.03E-07	2.03E-07
B+3, (MT)	4.26E-08	1.09E-07	8.17E-11	1.68E-10	4.12E-11	1.09E-07	1.09E-07	8.61E-11	1.09E-07	1.09E-07
Ba+2, (MT)	1.30E-07	3.32E-07	2.49E-10	5.11E-10	1.26E-10	3.32E-07	3.32E-07	2.62E-10	3.32E-07	3.32E-07
Be+2, (MT)	3.14E-10	8.05E-10	6.03E-13	1.24E-12	3.04E-13	8.04E-10	8.05E-10	6.35E-13	8.04E-10	8.04E-10
Bi+3, (MT)	2.68E-05	6.88E-05	5.15E-08	1.06E-07	2.60E-08	6.87E-05	6.88E-05	5.43E-08	6.87E-05	6.87E-05
Carbon-14, (MT)	4.57E-10	1.17E-09	8.78E-13	1.80E-12	4.43E-13	1.17E-09	1.17E-09	9.26E-13	1.17E-09	1.17E-09
Ca+2, (MT)	4.20E-06	1.08E-05	8.07E-09	1.66E-08	4.08E-09	1.08E-05	1.08E-05	8.50E-09	1.08E-05	1.08E-05
Cancrinite, (MT)	1.79E-01	1.79E-01	1.34E-04	2.75E-04	6.76E-05	1.79E-01	1.79E-01	1.41E-04	1.79E-01	3.11E-01
Cd+2, (MT)	9.29E-07	2.38E-06	1.78E-09	3.66E-09	9.01E-10	2.38E-06	2.38E-06	1.88E-09	2.38E-06	2.38E-06
Ce+3, (MT)	1.11E-06	2.85E-06	2.14E-09	4.39E-09	1.08E-09	2.85E-06	2.85E-06	2.25E-09	2.85E-06	2.85E-06
Cl-, (MT)	2.02E-04	5.18E-04	3.88E-07	7.96E-07	1.96E-07	5.17E-04	5.18E-04	4.09E-07	5.17E-04	5.17E-04
Cm+3, (MT)										
CO+3, (MT)	2.19E-08	5.61E-08	4.20E-11	8.63E-11	2.12E-11	5.61E-08	5.61E-08	4.43E-11	5.61E-08	5.61E-08
CO ₂ -2, (MT)	9.68E-08	2.48E-07	1.86E-10	3.82E-10	9.39E-11	2.48E-07	2.48E-07	1.96E-10	2.48E-07	2.48E-07
Cr+3, (MT)	5.52E-05	1.42E-04	1.06E-07	2.18E-07	5.36E-08	1.42E-04	1.42E-04	1.12E-07	1.42E-04	1.42E-04
Cs+, (MT)	3.63E-09	9.30E-09	6.96E-12	1.43E-11	3.52E-12	9.29E-09	9.30E-09	7.34E-12	9.29E-09	9.29E-09
Cu+2, (MT)	9.21E-08	2.36E-07	1.77E-10	3.63E-10	8.92E-11	2.36E-07	2.36E-07	1.86E-10	2.36E-07	2.36E-07
F-, (MT)	4.62E-04	1.19E-03	8.87E-07	1.82E-06	4.48E-07	1.19E-03	1.19E-03	9.35E-07	1.19E-03	1.19E-03
Fe+3, (MT)	3.51E-06	9.00E-06	6.74E-09	1.38E-08	3.41E-09	9.00E-06	9.00E-06	7.10E-09	9.00E-06	9.00E-06
H ₂ O, (MT)	6.49E+04	9.26E+04	6.94E+01	1.43E+02	3.51E+01	9.26E+04	9.27E+04	7.31E+01	9.26E+04	1.61E+05
Hg+2, (MT)	4.83E-07	1.24E-06	9.27E-10	1.90E-09	4.68E-10	1.24E-06	1.24E-06	9.77E-10	1.24E-06	1.24E-06
I-, (MT)	9.69E-08	2.49E-07	1.86E-10	3.82E-10	9.39E-11	2.49E-07	2.49E-07	1.96E-10	2.49E-07	2.49E-07
K+, (MT)	5.91E-04	1.51E-03	1.13E-06	2.33E-06	5.73E-07	1.51E-03	1.51E-03	1.20E-06	1.51E-03	1.51E-03
La+3, (MT)	1.57E-07	4.02E-07	3.01E-10	6.18E-10	1.52E-10	4.02E-07	4.02E-07	3.17E-10	4.02E-07	4.02E-07
Li+, (MT)	1.29E-08	3.30E-08	2.47E-11	5.07E-11	1.25E-11	3.30E-08	3.30E-08	2.60E-11	3.30E-08	3.30E-08
Mg+2, (MT)	2.26E-07	5.79E-07	4.34E-10	8.91E-10	2.19E-10	5.79E-07	5.79E-07	4.52E-10	5.79E-07	5.79E-07
MnO ₂ , (MT)	9.03E-06	2.32E-05	1.74E-08	3.56E-08	8.77E-09	2.32E-05	2.32E-05	1.83E-08	2.32E-05	2.32E-05
Mo+6, (MT)	1.36E-06	3.50E-06	2.62E-09	5.38E-09	1.32E-09	3.50E-06	3.50E-06	2.76E-09	3.50E-06	3.50E-06
Nat, (MT)	5.26E+04	1.10E+05	8.26E+01	1.70E+02	4.18E+01	1.10E+05	1.10E+05	8.71E+01	1.10E+05	1.10E+05
Ni+3, (MT)	2.46E-07	6.30E-07	4.71E-10	9.68E-10	2.38E-10	6.29E-07	6.30E-07	4.97E-10	6.29E-07	6.29E-07
Ni ₂ FeO ₄ , (MT)	3.29E-02	3.29E-02	2.47E-05	5.07E-05	1.25E-05	3.29E-02	3.29E-02	2.60E-05	3.29E-02	5.73E-02
NO ₂ -, (MT)	3.61E-08	9.26E-08	6.93E-11	1.42E-10	3.50E-11	9.25E-08	9.26E-08	7.31E-11	9.25E-08	9.25E-08
NO ₃ -, (MT)	1.42E+05	3.30E+05	2.47E+02	5.07E+02	1.25E+02	3.29E+05	3.30E+05	2.60E+02	3.29E+05	3.29E+05
Np+4, (MT)	1.97E-09	5.06E-09	3.79E-12	7.78E-12	1.91E-12	5.05E-09	5.06E-09	3.99E-12	5.05E-09	5.05E-09
OH-, (MT)	8.87E-07	2.27E-06	1.70E-09	3.50E-09	8.60E-10	2.27E-06	2.27E-06	1.79E-09	2.27E-06	2.27E-06
E2O5:2AH ₂ O, (MT)	1.33E-03	1.33E-03	9.95E-07	2.04E-06	5.03E-07	1.33E-03	1.33E-03	1.05E-06	1.33E-03	2.31E-03
Hb+4, (MT)	1.14E-06	2.91E-06	2.18E-09	4.48E-09	1.10E-09	2.91E-06	2.91E-06	2.30E-09	2.91E-06	2.91E-06
FO4-3, (MT)	2.13E-03	5.47E-03	4.09E-06	8.41E-06	2.07E-06	5.46E-03	5.47E-03	4.31E-06	5.46E-03	5.46E-03
Poly, (MT)	4.08E-03	4.08E-03	3.06E-06	6.28E-06	1.55E-06	4.08E-03	4.08E-03	3.22E-06	4.08E-03	7.10E-03
Ru+4, (MT)	3.51E-09	9.00E-09	6.74E-12	1.38E-11	3.40E-12	8.99E-09	9.00E-09	7.10E-12	8.99E-09	8.99E-09
Rb+, (MT)	2.59E-08	6.65E-08	4.98E-11	1.02E-10	2.51E-11	6.64E-08	6.65E-08	5.24E-11	6.64E-08	6.64E-08
Re+7, (MT)	1.95E-09	4.99E-09	3.74E-12	7.67E-12	1.89E-12	4.99E-09	4.99E-09	3.94E-12	4.99E-09	4.99E-09
Rh+3, (MT)	5.30E-09	1.36E-08	1.02E-11	2.09E-11	5.13E-12	1.36E-08	1.36E-08	1.07E-11	1.36E-08	1.36E-08
Ru+3, (MT)	1.14E-08	2.93E-08	2.19E-11	4.50E-11	1.11E-11	2.93E-08	2.93E-08	2.31E-11	2.92E-08	2.92E-08
Sb+5, (MT)	2.43E-08	6.23E-08	4.66E-11	9.58E-11	2.35E-11	6.22E-08	6.23E-08	4.92E-11	6.22E-08	6.22E-08
Se+6, (MT)	2.30E-07	5.90E-07	4.42E-10	9.07E-10	2.23E-10	5.90E-07	5.90E-07	4.66E-10	5.90E-07	5.90E-07
Si+4, (MT)	5.61E-06	1.44E-05	1.08E-08	2.21E-08	5.44E-09	1.44E-05	1.44E-05	1.13E-08	1.44E-05	1.44E-05
Sn+3, (MT)	1.47E-10	3.76E-10	2.81E-13	5.78E-13	1.42E-13	3.76E-10	3.76E-10	2.97E-13	3.76E-10	3.76E-10
Sn+4, (MT)	2.07E-09	5.30E-09	3.97E-12	8.15E-12	2.00E-12	5.30E-09	5.30E-09	4.18E-12	5.30E-09	5.30E-09
SO4-2, (MT)	8.31E-04	2.13E-03	1.60E-06	3.28E-06	8.07E-07	2.13E-03	2.13E-03	1.68E-06	2.13E-03	2.13E-03
Sr+2, (MT)	1.60E-07	4.11E-07	3.08E-10	6.32E-10	1.55E-10	4.11E-07	4.11E-07	3.24E-10	4.11E-07	4.11E-07
ToO4-, (MT)	1.23E-06	3.16E-06	2.37E-09	4.86E-09	1.19E-09	3.16E-06	3.16E-06	2.49E-09	3.16E-06	3.16E-06
Te+6, (MT)	2.27E-09	5.83E-09	4.36E-12	8.96E-12	2.20E-12	5.82E-09	5.83E-09	4.60E-12	5.82E-09	5.82E-09
Th+4, (MT)	7.47E-08	1.91E-07	1.43E-10	2.94E-10	7.24E-11	1.91E-07	1.91E-07	1.51E-10	1.91E-07	1.91E-07
Ti+4, (MT)	2.94E-09	7.54E-09	5.64E-12	1.16E-11	2.85E-12	7.53E-09	7.54E-09	5.95E-12	7.53E-09	7.53E-09
Tl+3, (MT)	1.27E-07	3.26E-07	2.44E-10	5.01E-10	1.23E-10	3.26E-07	3.26E-07	2.57E-10	3.26E-07	3.26E-07
TCC, (MT)	3.25E-04	8.32E-04	6.23E-07	1.28E-06	3.15E-07	8.32E-04	8.32E-04	6.57E-07	8.32E-04	8.32E-04
UD2+2, (MT)	3.85E-05	9.88E-05	7.40E-08	1.52E-07	3.74E-08	9.87E-05	9.88E-05	7.80E-08	9.87E-05	9.87E-05
V+5, (MT)	4.00E-09	1.03E-08	7.69E-12	1.58E-11	3.88E-12	1.03E-08	1.03E-08	8.10E-12	1.03E-08	1.03E-08
W+6, (MT)	1.36E-06	3.49E-06	2.62E-09	5.37E-09	1.32E-09	3.49E-06	3.49E-06	2.76E-09	3.49E-06	3.49E-06
Zn+2, (MT)	3.68E-07	9.44E-07	7.07E-10	1.45E-09	3.57E-10	9.43E-07	9.44E-07	7.45E-10	9.43E-07	9.43E-07
ZRC2:2H ₂ O, (MT)	1.03E-05	2.63E-05	1.97E-08	4.05E-08	9.96E-09	2.63E-05	2.63E-05	2.08E-08	2.63E-05	2.63E-05

STREAM NAME LIQUID COMPONENTS	56	57	58	59	60	61	62	63	70	71
Total Mass Flow, (MT)	4.24E+05	1.48E+05	8.52E+04	6.31E+04	1.88E+05	4.40E+05	8.57E+03	5.01E+04	8.67E+05	6.96E+05
Al, (MT)	2.76E+03	9.67E+02	5.56E+02	4.12E+02		2.37E+03		9.09E+02	1.77E+04	1.42E+04
Fe, (MT)	1.41E-03	4.96E-04	2.85E-04	2.11E-04		2.15E-04		9.88E+00	3.21E+00	2.58E+00
Cr, (MT)	1.79E-02	6.28E-03	3.61E-03	2.67E-03		2.73E-03		1.32E+02	4.22E+01	3.39E+01
Na, (MT)	5.23E+04	1.83E+04	1.05E+04	7.80E+03		5.47E+04	2.47E+03	7.05E+03	1.02E+05	8.22E+04
Si, (MT)	1.82E-03	6.38E-04	3.67E-04	2.71E-04		2.78E-04		1.34E+01	4.27E+00	3.43E+00
P, (MT)	2.26E-01	7.92E-02	4.55E-02	3.37E-02		3.44E-02		1.67E+03	5.32E+02	4.27E+02
NO ₂ - and NO ₃ -, (MT)	1.60E+05	5.61E+04	3.22E+04	2.39E+04		1.64E+05		1.13E+04	3.96E+05	3.18E+05
Cs and Ba, (MCI)	9.67E-05	3.39E-05	1.95E-05	1.44E-05		1.47E-05		6.99E-01	2.24E-01	1.80E-01
Sr and Y, (MCI)	1.96E-04	6.86E-05	3.94E-05	2.92E-05		2.99E-05		1.27E+00	4.20E-01	3.37E-01
Tc, (MCI)	4.15E-06	1.45E-06	8.35E-07	6.18E-07		6.32E-07		3.06E-02	9.76E-03	7.83E-03
TRU, (MCI)	1.20E-06	4.19E-07	2.41E-07	1.78E-07		1.82E-07		8.56E-03	2.76E-03	2.21E-03
Total MCI	7.34E-03	2.57E-03	1.48E-03	1.10E-03		1.12E-03		4.76E+01	1.58E+01	1.27E+01
Ag+, (MT)	4.46E-06	1.56E-06	8.97E-07	6.65E-07		6.79E-07		3.23E-02	1.04E-02	8.32E-03
Al ³⁺ , (MT)	2.76E+03	9.67E+02	5.56E+02	4.12E+02		2.37E+03		9.09E+02	1.77E+04	1.42E+04
Al(OH) ₄ -, (MT)										
Am ³⁺ , (MT)	2.73E-07	9.57E-08	5.50E-08	4.07E-08		4.16E-08		1.96E-03	6.30E-04	5.06E-04
As ⁵⁺ , (MT)	2.57E-05	9.00E-06	5.17E-06	3.83E-06		3.92E-06		1.89E-01	6.02E-02	4.84E-02
B ³⁺ , (MT)	1.38E-05	4.84E-06	2.78E-06	2.06E-06		2.11E-06		9.88E-02	3.18E-02	2.55E-02
Ba ²⁺ , (MT)	4.21E-05	1.48E-05	8.47E-06	6.28E-06		6.42E-06		3.08E-01	9.84E-02	7.90E-02
Be ²⁺ , (MT)	1.02E-07	3.57E-08	2.05E-08	1.52E-08		1.55E-08		7.39E-04	2.37E-04	1.90E-04
Bi ³⁺ , (MT)	8.71E-03	3.05E-03	1.75E-03	1.30E-03		1.33E-03		6.40E+01	2.04E+01	1.64E+01
Carbon-14, (MT)	1.49E-07	5.21E-08	2.99E-08	2.22E-08		2.27E-08		1.10E-03	3.50E-04	2.81E-04
Ca ²⁺ , (MT)	1.36E-03	4.78E-04	2.75E-04	2.03E-04		2.08E-04		9.86E+00	3.16E+00	2.54E+00
Cd ²⁺ , (MT)	3.02E-04	1.06E-04	6.07E-05	4.50E-05		4.60E-05		2.21E+00	7.07E-01	5.68E-01
Ce ³⁺ , (MT)	3.61E-04	1.27E-04	7.27E-05	5.39E-05		5.51E-05		2.37E+00	7.81E-01	6.27E-01
Cl ⁻ , (MT)	6.56E-02	2.30E-02	1.32E-02	9.77E-03		9.99E-03		4.83E+02	1.54E+02	1.24E+02
Cm ³⁺ , (MT)	5.58E-11	1.96E-11	1.13E-11	8.35E-12		8.32E-12		4.15E-07	1.33E-07	1.06E-07
Co ³⁺ , (MT)	7.11E-06	2.49E-06	1.43E-06	1.06E-06		1.08E-06		5.14E-02	1.65E-02	1.32E-02
CO ₂ , (MT)										
CO ₃ ²⁻ , (MT)	3.14E-05	1.10E-05	6.33E-06	4.69E-06		4.79E-06		1.15E-02	2.24E-02	1.80E-02
Cr ³⁺ , (MT)	1.79E-02	6.28E-03	3.61E-03	2.67E-03		2.73E-03		1.32E+02	4.22E+01	3.39E+01
Cr(OH) ₄ -, (MT)										
Cs ⁺ , (MT)	1.18E-06	4.13E-07	2.37E-07	1.76E-07		1.80E-07		8.51E-03	2.73E-03	2.19E-03
Cu ²⁺ , (MT)	2.99E-05	1.05E-05	6.02E-06	4.46E-06		4.56E-06		2.19E-01	7.01E-02	5.63E-02
F ⁻ , (MT)	1.50E-01	5.26E-02	3.02E-02	2.24E-02		2.29E-02		1.11E+03	3.53E+02	2.83E+02
Fe ³⁺ , (MT)	1.14E-03	4.00E-04	2.30E-04	1.70E-04		1.74E-04		7.49E+00	2.47E+00	1.98E+00
FeCN ₆ ³⁻ , (MT)	4.01E-04	1.41E-04	8.08E-05	5.98E-05		5.98E-05		3.51E+00	1.09E+00	8.71E-01
H ⁺ , (MT)	1.23E-02	4.31E-03	2.48E-03	1.83E-03		1.83E-03		3.33E+01	2.67E+01	2.19E+01
H ₂ O, (MT)	2.08E+05	7.30E+04	4.19E+04	3.11E+04	1.88E+05	2.19E+05	4.29E+03	1.96E+04	3.48E+05	2.79E+05
Hg ²⁺ , (MT)	1.57E-04	5.50E-05	3.16E-05	2.34E-05		2.39E-05		1.16E+00	3.69E-01	2.96E-01
I ⁻ , (MT)	3.15E-05	1.10E-05	6.34E-06	4.69E-06		4.80E-06		2.32E-01	7.41E-02	5.95E-02
K ⁺ , (MT)	1.92E-01	6.72E-02	3.86E-02	2.86E-02		2.92E-02		1.41E+03	4.51E+02	3.62E+02
La ³⁺ , (MT)	5.09E-05	1.78E-05	1.03E-05	7.59E-06		7.76E-06		3.27E-01	1.09E-01	8.71E-02
Li ⁺ , (MT)	4.18E-06	1.46E-06	8.41E-07	6.23E-07		6.37E-07		3.07E-02	9.82E-03	7.88E-03
Mg ²⁺ , (MT)	7.34E-05	2.57E-05	1.48E-05	1.09E-05		1.12E-05		5.35E-01	1.71E-01	1.37E-01
MnO ₂ , (MT)	2.93E-03	1.03E-03	5.91E-04	4.38E-04		4.47E-04		2.14E+01	6.85E+00	5.50E+00
Mn ²⁺ , (MT)	4.43E-04	1.55E-04	8.92E-05	6.61E-05		6.75E-05		3.26E+00	1.04E+00	8.36E-01
Nat, (MT)	5.23E+04	1.83E+04	1.05E+04	7.80E+03		5.47E+04	2.47E+03	7.05E+03	1.02E+05	8.22E+04
Ni ³⁺ , (MT)	7.97E-05	2.79E-05	1.61E-05	1.19E-05		1.22E-05		5.75E-01	1.85E-01	1.48E-01
NO, (MT)										
NO ₂ -, (MT)	1.17E-05	4.11E-06	2.36E-06	1.75E-06		1.79E-06		4.29E-03	8.37E-03	6.72E-03
NO ₃ -, (MT)	1.60E+05	5.61E+04	3.22E+04	2.39E+04		1.64E+05		1.13E+04	3.96E+05	3.18E+05
Np ⁴⁺ , (MT)	6.41E-07	2.25E-07	1.29E-07	9.55E-08		9.76E-08		4.67E-03	1.49E-03	1.20E-03
OH ⁻ , (MT)	2.88E-04	1.01E-04	5.80E-05	4.29E-05		4.39E-05	1.82E+03	6.04E+00	2.05E-01	1.65E-01
Pb ⁴⁺ , (MT)	3.69E-04	1.29E-04	7.42E-05	5.50E-05		5.62E-05		2.68E+00	8.59E-01	6.90E-01
PO ₄ ³⁻ , (MT)	6.92E-01	2.43E-01	1.39E-01	1.03E-01		1.06E-01		5.10E+03	1.63E+03	1.31E+03
Poly, (MT)	5.01E-03	1.75E-03	1.01E-03	7.46E-04		7.46E-04		4.38E+01	1.35E+01	1.09E+01
Ru ⁴⁺ , (MT)	1.14E-06	3.99E-07	2.29E-07	1.70E-07		1.74E-07		8.08E-03	2.61E-03	2.09E-03
Rb ⁺ , (MT)	8.42E-06	2.95E-06	1.69E-06	1.26E-06		1.28E-06		6.20E-02	1.98E-02	1.59E-02
Re ⁷⁺ , (MT)	6.32E-07	2.21E-07	1.27E-07	9.42E-08		9.63E-08		4.61E-03	1.48E-03	1.19E-03
Rh ³⁺ , (MT)	1.72E-06	6.03E-07	3.46E-07	2.57E-07		2.62E-07		1.21E-02	3.92E-03	3.15E-03
Ru ³⁺ , (MT)	3.71E-06	1.30E-06	7.46E-07	5.53E-07		5.65E-07		2.67E-02	8.57E-03	6.88E-03
Sb ⁵⁺ , (MT)	7.89E-06	2.76E-06	1.59E-06	1.18E-06		1.20E-06		5.59E-02	1.80E-02	1.45E-02
Se ⁶⁺ , (MT)	7.47E-05	2.62E-05	1.50E-05	1.11E-05		1.14E-05		5.48E-01	1.75E-01	1.41E-01
Si ⁴⁺ , (MT)	1.82E-03	6.38E-04	3.67E-04	2.71E-04		2.78E-04		1.34E+01	4.27E+00	3.43E+00
Sn ²⁺ , (MT)	4.76E-08	1.67E-08	9.59E-09	7.10E-09		7.26E-09		3.11E-04	1.03E-04	8.24E-05
Sn ⁴⁺ , (MT)	6.71E-07	2.35E-07	1.35E-07	1.00E-07		1.02E-07		4.93E-03	1.58E-03	1.27E-03
SO ₄ ²⁻ , (MT)	2.70E-01	9.46E-02	5.44E-02	4.03E-02		4.12E-02		1.99E+03	6.35E+02	5.10E+02
St ²⁺ , (MT)	5.21E-05	1.82E-05	1.05E-05	7.76E-06		7.93E-06		3.37E-01	1.12E-01	8.96E-02
TcO ₄ ⁻ , (MT)	4.00E-04	1.40E-04	8.05E-05	5.97E-05		6.10E-05		2.95E+00	9.41E-01	7.56E-01
Te ⁶⁺ , (MT)	7.38E-07	2.59E-07	1.49E-07	1.10E-07		1.13E-07		5.13E-03	1.66E-03	1.34E-03
Th ⁴⁺ , (MT)	2.43E-05	8.50E-06	4.88E-06	3.62E-06		3.70E-06		1.62E-01	5.31E-02	4.26E-02
Ti ⁴⁺ , (MT)	9.55E-07	3.35E-07	1.92E-07	1.42E-07		1.46E-07		6.48E-03	2.12E-03	1.70E-03
Tl ³⁺ , (MT)	4.13E-05	1.45E-05	8.31E-06	6.15E-06		6.29E-06		2.97E-01	9.55E-02	7.67E-02
TOC, (MT)	1.05E-01	3.69E-02	2.12E-02	1.57E-02		1.61E-02		7.77E+02	2.48E+02	1.99E+02
UC ₂ +2, (MT)	1.25E-02	4.39E-03	2.52E-03	1.87E-03		1.91E-03		9.04E+01	2.90E+01	2.33E+01
V ⁴⁺ , (MT)	1.30E-06	4.56E-07	2.62E-07	1.94E-07		1.98E-07		3.05E-03	3.05E-03	2.45E-03
W ⁶⁺ , (MT)	4.42E-04	1.55E-04	8.91E-05	6.60E-05		6.74E-05		3.26E+00	1.04E+00	8.36E-01
Zn ²⁺ , (MT)	1.20E-04	4.19E-05	2.41E-05	1.78E-05		1.82E-05		8.79E-01	2.81E-01	2.26E-01
ZrO ₂ ·2H ₂ O, (MT)	3.33E-03	1.17E-03	6.71E-04	4.97E-04		5.08E-04		2.34E+01	7.56E+00	6.07E+00

STREAM NAME	56	57	58	59	60	61	62	63	70	71
SOLID COMPONENTS										
Total Mass Flow, (MT)	4.24E+02	6.05E+05	3.48E+05	2.57E+05		6.85E+04		4.16E+01	6.97E+05	6.97E+02
Al, (MT)	3.23E+00	4.61E+03	2.65E+03	1.96E+03		2.09E-02		8.30E-01	1.39E+04	1.39E+01
Fe, (MT)	6.81E-06	9.71E-03	5.58E-03	4.13E-03		4.13E-03		5.99E-06	1.00E-01	1.00E-04
Cr, (MT)	9.91E-08	1.41E-04	8.12E-05	6.02E-05				4.95E-05	8.30E-01	8.29E-04
Na, (MT)	7.72E+01	1.10E+05	6.33E+04	4.69E+04		2.25E-02		8.12E+00	1.36E+05	1.36E+02
Si, (MT)	3.59E-05	5.12E-02	2.94E-02	2.18E-02		2.18E-02		6.94E-06	1.16E-01	1.16E-04
P, (MT)	1.27E-06	1.81E-03	1.04E-03	7.68E-04		9.96E-06		6.23E-04	1.05E+01	1.04E-02
NO ₂ - and NO ₃ -, (MT)	2.31E+02	3.29E+05	1.89E+05	1.40E+05				2.76E+01	4.63E+05	4.63E+02
Cs and Ba, (MT)	5.34E-10	7.62E-07	4.38E-07	3.24E-07				3.05E-07	5.11E-03	5.11E-06
Sr and Y, (MT)	1.08E-09	1.54E-06	8.87E-07	6.57E-07				1.02E-06	1.71E-02	1.71E-05
Tc, (MT)	2.29E-11	3.27E-08	1.88E-08	1.39E-08				1.15E-08	1.92E-04	1.92E-07
TRU, (MT)	6.60E-12	9.43E-09	5.42E-09	4.01E-09				3.97E-09	6.66E-05	6.65E-08
Total MCI	4.05E-08	5.79E-05	3.33E-05	2.46E-05				3.80E-05	6.38E-01	6.37E-04
Ag ⁺ , (MT)	2.46E-11	3.51E-08	2.02E-08	1.50E-08				1.37E-08	2.30E-04	2.29E-07
Al ³⁺ , (MT)	3.23E+00	4.61E+03	2.65E+03	1.96E+03				8.30E-01	1.39E+04	1.39E+01
Am ³⁺ , (MT)	1.51E-12	2.15E-09	1.24E-09	9.16E-10				8.93E-10	1.50E-05	1.50E-08
As ⁵⁺ , (MT)	1.42E-10	2.03E-07	1.16E-07	8.62E-08				7.30E-08	1.22E-03	1.22E-06
B ³⁺ , (MT)	7.63E-11	1.09E-07	6.26E-08	4.64E-08				4.66E-08	7.82E-04	7.81E-07
Ba ²⁺ , (MT)	2.32E-10	3.32E-07	1.91E-07	1.41E-07				1.23E-07	2.06E-03	2.06E-06
Be ²⁺ , (MT)	5.62E-13	8.03E-10	4.62E-10	3.42E-10				3.13E-10	5.24E-06	5.24E-09
Bi ³⁺ , (MT)	4.81E-08	6.87E-05	3.95E-05	2.92E-05				2.47E-05	4.14E-01	4.14E-04
Carbon-14, (MT)	8.20E-13	1.17E-09	6.73E-10	4.98E-10				4.09E-10	6.86E-06	6.86E-09
Ca ²⁺ , (MT)	7.54E-09	1.08E-05	6.18E-06	4.58E-06				4.29E-06	7.19E-02	7.19E-05
Cancrinite, (MT)	2.18E-04	3.11E-01	1.78E-01	1.32E-01		1.32E-01		1.07E-05	1.79E-01	1.79E-04
Cd ²⁺ , (MT)	1.67E-09	2.38E-06	1.37E-06	1.01E-06				8.60E-07	1.44E-02	1.44E-05
Ce ³⁺ , (MT)	1.99E-09	2.85E-06	1.64E-06	1.21E-06				1.81E-06	3.03E-02	3.03E-05
Cl ⁻ , (MT)	3.62E-07	-5.17E-04	2.97E-04	2.20E-04				1.81E-04	3.03E+00	3.03E-03
Cm ³⁺ , (MT)									2.60E-09	2.60E-12
CO ₂ , (MT)	3.92E-11	5.60E-08	3.22E-08	2.38E-08				2.22E-08	3.73E-04	3.72E-07
CO ₂ -2, (MT)	1.74E-10	2.48E-07	1.42E-07	1.05E-07				6.93E-07	1.16E-02	1.16E-05
Cr ³⁺ , (MT)	9.91E-08	1.41E-04	8.12E-05	6.02E-05				4.95E-05	8.30E-01	8.29E-04
Cs ⁺ , (MT)	6.50E-12	9.29E-09	5.34E-09	3.95E-09				3.71E-09	6.23E-05	6.22E-08
Cu ²⁺ , (MT)	1.65E-10	2.36E-07	1.35E-07	1.00E-07				8.50E-08	1.43E-03	1.42E-06
F ⁻ , (MT)	8.29E-07	1.18E-03	6.80E-04	5.03E-04				4.14E-04	6.93E+00	6.93E-03
Fe ³⁺ , (MT)	6.30E-09	8.99E-06	5.16E-06	3.83E-06				5.66E-06	9.48E-02	9.47E-05
H ₂ O, (MT)	1.13E+02	1.61E+05	9.25E+04	6.85E+04		6.85E+04		4.99E+00	8.37E+04	8.37E+01
Hg ²⁺ , (MT)	8.66E-10	1.24E-06	7.10E-07	5.26E-07				4.32E-07	7.24E-03	7.24E-06
I ⁻ , (MT)	1.74E-10	2.48E-07	1.43E-07	1.06E-07				8.68E-08	1.43E-03	1.45E-06
K ⁺ , (MT)	1.06E-06	1.51E-03	8.69E-04	6.43E-04				5.29E-04	8.86E+00	8.85E-03
La ³⁺ , (MT)	2.81E-10	4.02E-07	2.31E-07	1.71E-07				2.74E-07	4.59E-03	4.58E-06
Li ⁺ , (MT)	2.31E-11	3.29E-08	1.89E-08	1.40E-08				1.16E-08	1.95E-07	1.95E-10
Mg ²⁺ , (MT)	4.05E-10	5.78E-07	3.32E-07	2.46E-07				2.19E-07	3.67E-03	3.67E-06
MnO ₂ , (MT)	1.62E-08	2.31E-05	1.33E-05	9.84E-06				8.75E-06	1.47E-01	1.47E-04
Mo ⁶⁺ , (MT)	2.45E-09	3.49E-06	2.01E-06	1.49E-06				1.24E-06	2.08E-02	2.07E-05
Nat, (MT)	7.72E+01	1.10E+05	6.33E+04	4.69E+04				8.12E+00	1.36E+05	1.36E+02
Ni ³⁺ , (MT)	4.40E-10	6.29E-07	3.61E-07	2.67E-07				2.54E-07	4.26E-03	4.26E-06
Ni ₂ FeO ₆ , (MT)	4.01E-05	5.72E-02	3.29E-02	2.44E-02		2.44E-02		1.96E-06	3.29E-02	3.29E-05
NO ₂ -, (MT)	6.48E-11	9.24E-08	5.31E-08	3.93E-08				2.59E-07	4.33E-03	4.33E-06
NO ₃ -, (MT)	2.31E+02	3.29E+05	1.89E+05	1.40E+05				2.76E+01	4.63E+05	4.63E+02
Np ⁴⁺ , (MT)	3.54E-12	5.05E-09	2.90E-09	2.15E-09				1.91E-09	3.21E-05	3.21E-08
OH ⁻ , (MT)	1.59E-09	2.27E-06	1.30E-06	9.66E-07				6.35E-06	1.06E-01	1.06E-04
P ₂ O ₅ :24H ₂ O, (MT)	1.62E-06	2.31E-03	1.33E-03	9.83E-04			9.83E-04	7.92E-08	1.33E-03	1.33E-06
Pb ⁴⁺ , (MT)	2.04E-09	2.91E-06	1.67E-06	1.24E-06				1.12E-06	1.87E-02	1.87E-05
PO ₄ -3, (MT)	3.83E-06	5.46E-03	3.14E-03	2.32E-03				1.91E-03	3.20E+01	3.20E-02
Poly, (MT)	4.97E-06	7.10E-03	4.08E-03	3.02E-03		3.02E-03		2.43E-07	4.09E-03	4.08E-06
Ru ⁴⁺ , (MT)	6.29E-12	8.98E-09	5.16E-09	3.82E-09				4.00E-09	6.71E-05	6.70E-08
Rb ⁺ , (MT)	4.64E-11	6.64E-08	3.81E-08	2.82E-08				2.32E-08	3.89E-04	3.89E-07
Re ⁷⁺ , (MT)	3.49E-12	4.98E-09	2.86E-09	2.12E-09				1.87E-09	3.14E-05	3.14E-08
Rh ³⁺ , (MT)	9.49E-12	1.36E-08	7.79E-09	5.77E-09				6.23E-09	1.04E-04	1.04E-07
Ru ³⁺ , (MT)	2.05E-11	2.92E-08	1.68E-08	1.24E-08				1.20E-08	2.02E-04	2.02E-07
Sb ⁵⁺ , (MT)	4.35E-11	6.22E-08	3.57E-08	2.65E-08				2.80E-08	4.70E-04	4.69E-07
Se ⁶⁺ , (MT)	4.12E-10	5.89E-07	3.38E-07	2.51E-07				2.12E-07	3.56E-03	3.55E-06
Si ⁴⁺ , (MT)	1.01E-08	1.44E-05	8.25E-06	6.11E-06				5.18E-06	8.68E-02	8.67E-05
Sm ³⁺ , (MT)	2.63E-13	3.75E-10	2.16E-10	1.60E-10				2.42E-10	4.06E-06	4.05E-09
Sn ⁴⁺ , (MT)	3.71E-12	5.29E-09	3.04E-09	2.25E-09				1.90E-09	3.19E-05	3.18E-08
SO ₄ -2, (MT)	1.49E-06	2.13E-03	1.22E-03	9.06E-04				7.44E-04	1.25E+01	1.25E-02
Sr ²⁺ , (MT)	2.87E-10	4.10E-07	2.36E-07	1.75E-07				2.71E-07	4.55E-03	4.54E-06
TcO ₄ -, (MT)	2.21E-09	3.15E-06	1.81E-06	1.34E-06				1.11E-06	1.85E-02	1.85E-05
Te ⁶⁺ , (MT)	4.07E-12	5.82E-09	3.34E-09	2.48E-09				2.89E-09	4.84E-05	4.83E-08
Th ⁴⁺ , (MT)	1.34E-10	1.91E-07	1.10E-07	8.13E-08				1.14E-07	1.91E-03	1.90E-06
Ti ⁴⁺ , (MT)	5.27E-12	7.53E-09	4.32E-09	3.20E-09				4.15E-09	6.96E-05	6.96E-08
Tl ³⁺ , (MT)	2.28E-10	3.25E-07	1.87E-07	1.38E-07				1.32E-07	2.21E-03	2.21E-06
TCC, (MT)	5.82E-07	8.31E-04	4.77E-04	3.54E-04				2.91E-04	4.87E+00	4.87E-03
UO ₂ +2, (MT)	6.92E-08	9.87E-05	5.67E-05	4.20E-05				3.95E-05	6.62E-01	6.62E-04
V ⁵⁺ , (MT)	7.18E-12	1.03E-08	5.89E-09	4.36E-09				3.72E-09	6.23E-05	6.22E-08
W ⁶⁺ , (MT)	2.44E-09	3.49E-06	2.00E-06	1.48E-06				1.22E-06	2.04E-02	2.04E-05
Zn ²⁺ , (MT)	6.60E-10	9.43E-07	5.42E-07	4.01E-07				3.35E-07	5.61E-03	5.60E-06
ZrO ₂ :2H ₂ O, (MT)	1.84E-08	2.63E-05	1.51E-05	1.12E-05				1.25E-05	2.10E-01	2.10E-04

STREAM NAME	72
LIQUID COMPONENTS	
Total Mass Flow, (MT)	1.71E+05
Al, (MT)	3.49E+03
Fe, (MT)	6.33E-01
Cr, (MT)	8.32E+00
Na, (MT)	2.02E+04
Si, (MT)	8.42E-01
P, (MT)	1.05E+02
NO ₂ ⁻ and NO ₃ ⁻ , (MT)	7.80E+04
Cs and Ba, (MT)	4.42E-02
Sr and Y, (MT)	8.28E-02
Tc, (MT)	1.92E-03
TRU, (MT)	5.43E-04
Total MT	3.11E+00
Ag ⁺ , (MT)	2.04E-03
Al ³⁺ , (MT)	3.49E+03
Al(CH ₃) ₄ ⁻ , (MT)	
Am ³⁺ , (MT)	1.24E-04
As ⁵⁺ , (MT)	1.19E-02
B ³⁺ , (MT)	6.27E-03
Ba ²⁺ , (MT)	1.94E-02
Be ²⁺ , (MT)	4.67E-05
Bi ³⁺ , (MT)	4.03E+00
Carbon-14, (MT)	6.89E-05
Ca ²⁺ , (MT)	6.24E-01
Cd ²⁺ , (MT)	1.40E-01
Ce ³⁺ , (MT)	1.54E-01
Cl ⁻ , (MT)	3.04E+01
Cm ³⁺ , (MT)	2.61E-08
Co ³⁺ , (MT)	3.25E-03
CO ₂ , (MT)	
CO ₃ ²⁻ , (MT)	4.42E-03
Cr ³⁺ , (MT)	8.32E+00
Cr(CH ₃) ₄ ⁻ , (MT)	
Cs ⁺ , (MT)	5.39E-04
Cu ²⁺ , (MT)	1.38E-02
F ⁻ , (MT)	6.96E+01
Fe ³⁺ , (MT)	4.87E-01
FeCN ₆ ³⁻ , (MT)	2.14E-01
H ⁺ , (MT)	6.56E+00
H ₂ O, (MT)	6.85E+04
Hg ²⁺ , (MT)	7.27E-02
I ⁻ , (MT)	1.46E-02
K ⁺ , (MT)	8.90E+01
La ³⁺ , (MT)	2.14E-02
Li ⁺ , (MT)	1.94E-03
Mg ²⁺ , (MT)	3.37E-02
MnO ₂ , (MT)	1.35E+00
Mo ⁶⁺ , (MT)	2.05E-01
Na ⁺ , (MT)	2.02E+04
Ni ³⁺ , (MT)	3.64E-02
NO, (MT)	
NO ₂ ⁻ , (MT)	1.65E-03
NO ₃ ⁻ , (MT)	7.80E+04
Np ⁴⁺ , (MT)	2.95E-04
OH ⁻ , (MT)	4.05E-02
Pb ⁴⁺ , (MT)	1.69E-01
PO ₄ ³⁻ , (MT)	3.21E+02
Poly, (MT)	2.67E+00
Pu ⁴⁺ , (MT)	5.14E-04
Rb ⁺ , (MT)	3.90E-03
Re ⁷⁺ , (MT)	2.91E-04
Rh ³⁺ , (MT)	7.73E-04
Ru ³⁺ , (MT)	1.69E-03
Sb ⁵⁺ , (MT)	3.55E-03
Se ⁶⁺ , (MT)	3.46E-02
Si ⁴⁺ , (MT)	8.42E-01
Sm ³⁺ , (MT)	2.02E-05
Sr ⁴⁺ , (MT)	3.11E-04
SO ₄ ²⁻ , (MT)	1.25E+02
Sr ²⁺ , (MT)	2.20E-02
TcO ₄ ⁻ , (MT)	1.86E-01
Te ⁶⁺ , (MT)	3.28E-04
Th ⁴⁺ , (MT)	1.05E-02
Ti ⁴⁺ , (MT)	4.17E-04
Tl ³⁺ , (MT)	1.88E-02
TOC, (MT)	4.89E+01
UO ₂ H ₂ , (MT)	5.72E+00
V ⁵⁺ , (MT)	6.01E-04
W ⁶⁺ , (MT)	2.05E-01
Zn ²⁺ , (MT)	5.54E-02
ZrO ₂ :2H ₂ O, (MT)	1.49E+00

STREAM NAME	72
SOLID COMPONENTS	
Total Mass Flow, (MT)	6.97E+05
Al, (MT)	1.39E+04
Fe, (MT)	1.00E-01
Cr, (MT)	8.29E-01
Na, (MT)	1.36E+05
Si, (MT)	1.16E-01
P, (MT)	1.04E+01
NO ₂ - and NO ₃ -, (MT)	4.63E+05
Cs and Ba, (MCl)	5.11E-03
Sr and Y, (MCl)	1.71E-02
Tc, (MCl)	1.92E-04
TRU, (MCl)	6.65E-05
Total MCl	6.37E-01
Ag+, (MT)	2.29E-04
Al+3, (MT)	1.39E+04
Am+3, (MT)	1.50E-05
As+5, (MT)	1.22E-03
B+3, (MT)	7.81E-04
Ba+2, (MT)	2.06E-03
Be+2, (MT)	5.24E-06
Bi+3, (MT)	4.13E-01
Carbon-14, (MT)	6.86E-06
Ca+2, (MT)	7.19E-02
Cancrinite, (MT)	1.79E-01
Cd+2, (MT)	1.44E-02
Ce+3, (MT)	3.03E-02
Cl-, (MT)	3.03E+00
Cm+3, (MT)	2.60E-09
CO+3, (MT)	3.72E-04
CO ₃ -2, (MT)	1.16E-02
Cr+3, (MT)	8.29E-01
Cs+, (MT)	6.22E-05
Cu+2, (MT)	1.42E-03
F-, (MT)	6.93E+00
Fe+3, (MT)	9.47E-02
H ₂ O, (MT)	8.36E+04
Hg+2, (MT)	7.24E-03
I-, (MT)	1.45E-03
K+, (MT)	8.85E+00
La+3, (MT)	4.58E-03
Li+, (MT)	1.95E-04
Mg+2, (MT)	3.67E-03
MnO ₂ , (MT)	1.47E-01
Mo+6, (MT)	2.07E-02
Nat, (MT)	1.36E+05
Ni+3, (MT)	4.26E-03
Ni ₂ FeCN ₆ , (MT)	3.29E-02
NO ₂ -, (MT)	4.33E-03
NO ₃ -, (MT)	4.63E+05
Np+4, (MT)	3.21E-05
OH-, (MT)	1.06E-01
P ₂ O ₅ :24H ₂ O, (MT)	1.33E-03
Pb+4, (MT)	1.87E-02
PO ₄ -3, (MT)	3.20E+01
Poly, (MT)	4.08E-03
Pu+4, (MT)	6.70E-05
Rb+, (MT)	3.89E-04
Rb+7, (MT)	3.14E-05
Rh+3, (MT)	1.04E-04
Ru+3, (MT)	2.02E-04
Sb+5, (MT)	4.69E-04
Se+6, (MT)	3.55E-03
Si+4, (MT)	8.67E-02
Sm+3, (MT)	4.05E-06
Sr+4, (MT)	3.18E-05
SO ₄ -2, (MT)	1.25E+01
Sr+2, (MT)	4.54E-03
TcO ₄ -, (MT)	1.85E-02
Te+6, (MT)	4.83E-05
Th+4, (MT)	1.90E-03
Ti+4, (MT)	6.96E-05
Tl+3, (MT)	2.21E-03
TOC, (MT)	4.87E+00
UC ₂ +2, (MT)	6.62E-01
V+5, (MT)	6.22E-05
W+6, (MT)	2.04E-02
ZN+2, (MT)	5.60E-03
ZrO ₂ :2H ₂ O, (MT)	2.10E-01

APPENDIX B

STREAM NAME	1	2	3	4	5	6	7	9	11	13
LIQUID COMPONENTS										
Total Mass Flow, (MT)	6.28E+05	1.96E+05	8.24E+05	1.71E+06	9.32E+05	5.88E+05	5.55E+05	1.40E+05	4.15E+05	3.20E+05
Al, (MT)	4.11E+03		4.11E+03	2.34E+04	2.34E+04	2.34E+01	1.31E+04	3.30E+03	9.76E+03	7.53E+03
Fe, (MT)	9.85E+00		9.85E+00	5.80E+01	5.80E+01	4.40E+04	5.80E+01	1.46E+01	4.33E+01	3.34E+01
Cr, (MT)	1.32E+02		1.32E+02	7.76E+02	7.75E+02	7.76E+03	7.75E+02	1.96E+02	5.79E+02	4.47E+02
Na, (MT)	7.61E+04		7.61E+04	1.81E+05	1.29E+05	1.81E+00	6.59E+04	1.66E+04	4.92E+04	3.80E+04
Si, (MT)	1.34E+01		1.34E+01	7.85E+01	7.84E+01	7.85E+04	7.83E+01	1.98E+01	5.86E+01	4.52E+01
P, (MT)	1.67E+03		1.67E+03	9.78E+03	9.77E+03	9.78E+02	9.76E+03	2.47E+03	7.30E+03	6.63E+03
NO ₂ - and NO ₃ -, (MT)	1.20E+05	1.10E+05	2.23E+05	5.90E+05	4.48E+05	5.90E+00	2.07E+05	5.23E+04	1.55E+05	1.20E+05
Cs and Ba, (MCI)	8.88E+01		8.88E+01	5.21E+02	5.20E+02	5.21E+02	5.20E+02	1.31E+02	3.89E+02	3.00E+02
Sr and Y, (MCI)	1.40E+00		1.40E+00	8.26E+00	8.26E+00	8.26E+05	8.25E+00	2.08E+00	6.17E+00	4.76E+00
Tc, (MCI)	3.06E-02		3.06E-02	1.80E-01	1.79E-01	1.80E+05	1.79E-01	4.53E-02	1.34E-01	1.04E-01
TRU, (MCI)	8.56E-03		8.56E-03	5.03E-02	5.02E-02	5.03E-07	5.02E-02	1.27E-02	3.75E-02	2.90E-02
Total MCI	1.45E+02		1.45E+02	8.55E+02	8.54E+02	5.80E-02	8.53E+02	2.67E+02	6.38E+02	4.92E+02
Ag+, (MT)	3.23E-02		3.23E-02	1.90E-01	1.90E-01	1.90E-06	1.90E-01	4.79E-02	1.42E-01	1.09E-01
Al+3, (MT)			4.11E+03	2.34E+04	2.34E+04	2.34E-01	1.31E+04	3.30E+03	9.76E+03	7.53E+03
Al(OH) ₄ -, (MT)	1.45E+04									
Am+3, (MT)	1.96E-03		1.96E-03	1.15E-02	1.15E-02	1.15E-07	1.15E-02	2.90E-03	8.60E-03	6.63E-03
Ast+5, (MT)	1.89E-01		1.89E-01	1.11E+00	1.11E+00	1.11E-05	1.11E+00	2.79E-01	8.26E-01	6.38E-01
B+3, (MT)	9.87E-02		9.87E-02	5.80E-01	5.79E-01	5.80E-06	5.79E-01	1.46E-01	4.33E-01	3.34E-01
Ba+2, (MT)	3.08E-01		3.08E-01	1.81E+00	1.81E+00	1.81E-05	1.80E+00	4.56E-01	1.35E+00	1.04E+00
Be+2, (MT)	7.40E-04		7.40E-04	4.34E-03	4.34E-03	4.34E-08	4.34E-03	1.10E-03	3.24E-03	2.50E-03
Bi+3, (MT)	6.40E+01		6.40E+01	3.76E+02	3.75E+02	3.76E-03	3.75E+02	9.47E+01	2.80E+02	2.16E+02
Carbon-14, (MT)	1.10E-03		1.10E-03	6.44E-03	6.43E-03	6.44E-07	6.43E-03	1.62E-03	4.81E-03	3.71E-03
Ca+2, (MT)	1.09E+01		1.09E+01	6.43E+01	6.42E+01	6.43E-04	6.42E+01	1.62E+01	4.80E+01	3.70E+01
Cd+2, (MT)	2.22E+00		2.22E+00	1.30E+01	1.30E+01	1.30E-04	1.30E+01	3.28E+00	9.70E+00	7.49E+00
Ce+3, (MT)	2.36E+00		2.36E+00	1.39E+01	1.39E+01	1.39E-04	1.39E+01	3.51E+00	1.04E+01	8.01E+00
Cl-, (MT)	4.84E+02		4.84E+02	2.84E+03	2.83E+03	2.84E-02	2.83E+03	7.15E+02	2.12E+03	1.63E+03
Cm+3, (MT)	4.16E-07		4.16E-07	2.45E-06	2.45E-06	2.45E-11	2.44E-06	6.17E-07	1.83E-06	1.41E-06
CO+3, (MT)	5.14E-02		5.14E-02	3.02E-01	3.02E-01	3.02E-06	3.01E-01	7.61E-02	2.25E-01	1.74E-01
CO ₂ , (MT)			1.87E+03	1.87E+03	1.87E+03					
CO ₃ -2, (MT)	2.55E+03			6.77E-02	6.76E-02	6.77E-07	6.76E-02	1.71E-02	5.05E-02	3.90E-02
Cr+3, (MT)			1.32E+02	7.76E+02	7.75E+02	7.76E-03	7.75E+02	1.96E+02	5.79E+02	4.47E+02
Cr(OH) ₄ -, (MT)	3.05E+02									
Cst, (MT)	1.08E+00		1.08E+00	6.34E+00	6.33E+00	6.34E-04	6.33E+00	1.60E+00	4.73E+00	3.65E+00
Cr+2, (MT)	2.20E-01		2.20E-01	1.29E+00	1.29E+00	1.29E-05	1.29E+00	3.25E-01	9.62E-01	7.42E-01
F-, (MT)	1.11E+03		1.11E+03	6.49E+03	6.49E+03	6.49E-02	6.48E+03	1.64E+03	4.85E+03	3.74E+03
Fe+3, (MT)	7.45E+00		7.45E+00	4.40E+01	4.39E+01	4.40E-04	4.39E+01	1.11E+01	3.28E+01	2.53E+01
FeCN ₆ -3, (MT)	3.52E+00		3.52E+00	2.06E+01	2.06E+01		2.06E+01	5.20E+00	1.54E+01	1.19E+01
Ht, (MT)	6.51E-08	1.77E+03	6.07E+01	3.56E+02	3.56E+02		3.56E+02	8.98E+01	2.62E+02	2.05E+02
H ₂ O, (MT)	3.90E+05	8.41E+04	5.03E+05	8.46E+05	2.64E+05	5.81E+05	2.02E+05	5.10E+04	1.51E+05	1.17E+05
Hg+2, (MT)	1.16E+00		1.16E+00	6.79E+00	6.78E+00	6.79E-05	6.78E+00	1.71E+00	5.07E+00	3.91E+00
I-, (MT)	2.33E-01		2.33E-01	1.36E+00	1.36E+00	1.36E-04	1.36E+00	3.44E-01	1.02E+00	7.86E-01
K+, (MT)	1.42E+03		1.42E+03	8.30E+03	8.29E+03	8.30E-02	8.29E+03	2.09E+03	6.20E+03	4.78E+03
La+3, (MT)	3.25E-01		3.25E-01	1.92E+00	1.92E+00	1.92E-05	1.92E+00	4.84E-01	1.43E+00	1.11E+00
Li+, (MT)	3.08E-02		3.08E-02	1.81E-01	1.80E-01	1.81E-06	1.80E-01	4.55E-02	1.35E-01	1.04E-01
Mg+2, (MT)	5.35E-01		5.35E-01	3.14E+00	3.14E+00	3.14E-05	3.14E+00	7.91E-01	2.34E+00	1.81E+00
MnO ₂ , (MT)	2.14E+01		2.14E+01	1.26E+02	1.25E+02	1.26E-03	1.25E+02	3.17E+01	9.37E+01	7.23E+01
Mb+6, (MT)	3.26E+00		3.26E+00	1.91E+01	1.91E+01	1.91E-04	1.91E+01	4.83E+00	1.43E+01	1.10E+01
Nat, (MT)	7.61E+04		7.61E+04	1.81E+05	1.29E+05	1.81E+00	6.59E+04	1.66E+04	4.92E+04	3.80E+04
Ni+3, (MT)	5.75E-01		5.75E-01	3.38E+00	3.37E+00	3.38E-05	3.37E+00	8.51E-01	2.52E+00	1.95E+00
NO, (MT)			4.62E+03	4.62E+03	4.62E+03					
NO ₂ -, (MT)	1.06E+04	1.10E+05	2.52E-02	2.52E-02	2.52E-02	2.52E+07	2.52E-02	6.36E-03	1.88E-02	1.45E-02
NO ₃ -, (MT)	1.09E+05		2.23E+05	5.90E+05	4.48E+05	5.90E+00	2.07E+05	5.23E+04	1.55E+05	1.20E+05
Npt+4, (MT)	4.67E-03		4.67E-03	2.74E-02	2.74E-02	2.74E-07	2.74E-02	6.91E-03	2.05E-02	1.58E-02
OH-, (MT)	1.42E+04			6.20E-01	6.19E-01	6.20E-06	6.19E-01	1.56E-01	4.63E-01	3.57E-01
Pb+4, (MT)	2.68E+00		2.68E+00	1.57E+01	1.57E+01	1.57E-04	1.57E+01	3.97E+00	1.18E+01	9.07E+00
PO ₄ -3, (MT)	5.11E+03		5.11E+03	3.00E+04	2.99E+04	3.00E-01	2.99E+04	7.55E+03	2.24E+04	1.73E+04
Poly, (MT)	4.38E+01		4.38E+01	2.57E+02	2.57E+02		2.57E+02	6.48E+01	1.92E+02	1.48E+02
Rb+4, (MT)	8.08E-03		8.08E-03	4.75E-02	4.74E-02	4.75E-07	4.74E-02	1.20E-02	3.54E-02	2.73E-02
Rb+, (MT)	6.21E-02		6.21E-02	3.64E-01	3.64E-01	3.64E-06	3.64E-01	9.18E-02	2.72E-01	2.10E-01
Re+7, (MT)	4.61E-03		4.61E-03	2.71E-02	2.70E-02	2.71E-07	2.70E-02	6.82E-03	2.02E-02	1.56E-02
Rh+3, (MT)	1.21E-02		1.21E-02	7.13E-02	7.12E-02	7.13E-07	7.12E-02	1.80E-02	5.32E-02	4.11E-02
Ru+3, (MT)	2.67E-02		2.67E-02	1.57E-01	1.57E-01	1.57E-05	1.57E-01	3.95E-02	1.17E-01	9.03E-02
Sb+5, (MT)	5.58E-02		5.58E-02	3.28E-01	3.28E-01	3.28E-06	3.28E-01	8.27E-02	2.45E-01	1.89E-01
Se+6, (MT)	5.49E-01		5.49E-01	3.22E+00	3.22E+00	3.22E-05	3.22E+00	8.12E-01	2.40E+00	1.86E+00
Si+4, (MT)	1.34E+01		1.34E+01	7.85E+01	7.84E+01	7.85E-04	7.83E+01	1.98E+01	5.86E+01	4.52E+01
Sm+3, (MT)	3.09E-04		3.09E-04	1.82E-03	1.82E-03	1.82E-08	1.82E-03	4.60E-04	1.36E-03	1.05E-03
Sn+4, (MT)	4.93E-03		4.93E-03	2.90E-02	2.89E-02	2.90E-07	2.89E-02	7.30E-03	2.16E-02	1.67E-02
SO ₄ -2, (MT)	1.99E+03		1.99E+03	1.17E+04	1.17E+04	1.17E-01	1.17E+04	2.95E+03	8.72E+03	6.73E+03
Str+2, (MT)	3.72E-01		3.72E-01	2.20E+00	2.19E+00	2.20E-05	2.19E+00	5.54E-01	1.64E+00	1.27E+00
TcO ₄ -, (MT)	2.96E+00		2.96E+00	1.73E+01	1.73E+01	1.73E-03	1.73E+01	4.37E+00	1.29E+01	9.98E+00
Tet+6, (MT)	5.12E-03		5.12E-03	3.01E-02	3.01E-02	3.01E-07	3.01E-02	7.59E-03	2.25E-02	1.74E-02
Th+4, (MT)	1.61E-01		1.61E-01	9.49E-01	9.48E-01	9.49E-06	9.48E-01	2.39E-01	7.09E-01	5.47E-01
Ti+4, (MT)	6.46E-03		6.46E-03	3.81E-02	3.80E-02	3.81E-07	3.80E-02	9.60E-03	2.84E-02	2.19E-02
Tl+3, (MT)	2.97E-01		2.97E-01	1.75E+00	1.75E+00	1.75E-05	1.74E+00	4.41E-01	1.30E+00	1.01E+00
TOC, (MT)	7.79E+02		7.79E+02	4.57E+03	4.56E+03	4.57E-01	4.56E+03	1.15E+03	3.41E+03	2.63E+03
UO ₂ +2, (MT)	9.04E+01		9.04E+01	5.31E+02	5.30E+02	5.31E-03	5.30E+02	1.43E+02	3.66E+02	3.06E+02
V+5, (MT)	9.54E-03		9.54E-03	5.60E-02	5.59E-02	5.60E-07	5.59E-02	1.41E-02	4.18E-02	3.23E-02
W+6, (MT)	3.26E+00		3.26E+00	1.92E+01	1.91E+01	1.92E-04	1.91E+01	4.83E+00	1.43E+01	1.10E+01
Zn+2, (MT)	8.80E-01		8.80E-01	5.16E+00	5.16E+00	5.16E-05	5.16E+00	1.30E+00	3.66E+00	2.98E+00
ZRO ₂ .2H ₂ O, (MT)	2.33E+01		2.33E+01	1.37E+02	1.37E+02	1.37E-03	1.37E+02	3.46E+01	1.02E+02	7.90E+01

STREAM NAME	1	2	3	4	5	6	7	9	11	13
SOLID COMPONENTS										
Total Mass Flow, (MT)	7.97E-01		7.97E-01	8.91E+02	1.95E+05		5.72E+05	5.71E+05	4.15E+02	3.20E+02
Al, (MT)	4.61E-02		4.61E-02	1.62E+01	3.97E+01		1.04E+04	1.04E+04	7.55E+00	5.82E+00
Fe, (MT)	5.34E-02		5.34E-02	5.36E-02	9.76E-02		1.14E-01	1.14E-01	8.30E-05	6.40E-05
Cr, (MT)	2.06E-03		2.06E-03	3.74E-03	7.80E-01		1.07E+00	1.07E+00	7.80E-04	6.02E-04
Na, (MT)	7.70E-02		7.70E-02	1.80E+02	5.24E+04		1.15E+05	1.15E+05	8.38E+01	6.47E+01
Si, (MT)	3.25E-02		3.25E-02	3.27E-02	1.11E-01		1.41E-01	1.41E-01	1.02E-04	7.90E-05
P, (MT)	1.37E-02		1.37E-02	3.48E-02	9.81E+00		1.35E+01	1.35E+01	9.82E-03	7.58E-03
NO ₂ - and NO ₃ -, (MT)	7.18E-02		7.18E-02	5.97E+02	1.42E+05		3.83E+05	3.83E+05	2.78E+02	2.15E+02
Cs and Ba, (MCI)	7.31E-04		7.31E-04	1.85E-03	5.22E-01		7.19E-01	7.19E-01	5.23E-04	4.03E-04
Sr and Y, (MCI)	9.15E-03		9.15E-03	9.18E-03	1.74E-02		2.06E-02	2.06E-02	1.49E-05	1.15E-05
Tc, (MCI)	6.06E-07		6.06E-07	9.93E-07	1.81E-04		2.49E-04	2.48E-04	1.81E-07	1.39E-07
TRU, (MCI)	1.29E-05		1.29E-05	1.30E-05	6.33E-05		8.24E-05	8.23E-05	5.98E-08	4.62E-08
Total MCI	3.39E-01		3.39E-01	3.41E-01	1.20E+00		1.52E+00	1.52E+00	1.10E-03	8.52E-04
Ag+, (MT)	2.70E-05		2.70E-05	2.74E-05	2.17E-04		2.89E-04	2.89E-04	2.10E-07	1.62E-07
Al+3, (MT)	1.78E-02		1.78E-02	1.62E+01	3.96E+01		1.04E+04	1.04E+04	7.55E+00	5.82E+00
Am+3, (MT)	2.68E-06		2.68E-06	2.70E-06	1.42E-05		1.86E-05	1.86E-05	1.35E-08	1.04E-08
As+5, (MT)	4.30E-05		4.30E-05	4.55E-05	1.15E-03		1.57E-03	1.57E-03	1.14E-06	8.81E-07
B+3, (MT)	1.62E-04		1.62E-04	1.64E-04	7.44E-04		9.63E-04	9.63E-04	7.00E-07	5.40E-07
Ba+2, (MT)	1.35E-04		1.35E-04	1.39E-04	1.95E-03		2.63E-03	2.63E-03	1.91E-06	1.47E-06
Be+2, (MT)	6.07E-07		6.07E-07	6.18E-07	4.96E-06		6.60E-06	6.60E-06	4.80E-09	3.70E-09
Bi+3, (MT)	1.30E-02		1.30E-02	1.38E-02	3.89E-01		5.32E-01	5.31E-01	3.86E-04	2.98E-04
Carbon-14, (MT)	7.26E-10		7.26E-10	1.46E-08	6.45E-06		8.89E-06	8.88E-06	6.46E-09	4.98E-09
Ca+2, (MT)	1.01E-02		1.01E-02	1.03E-02	7.46E-02		9.89E-02	9.88E-02	7.18E-05	5.54E-05
Canconite, (MT)	1.78E-01		1.78E-01	1.79E-01	1.79E-01		1.79E-01	1.79E-01	1.30E-04	1.00E-04
Cd+2, (MT)	5.52E-04		5.52E-04	5.81E-04	1.36E-02		1.85E-02	1.85E-02	1.34E-05	1.04E-05
Ce+3, (MT)	1.55E-02		1.55E-02	1.55E-02	2.94E-02		3.47E-02	3.47E-02	2.52E-05	1.94E-05
Cl-, (MT)	1.67E-04		1.67E-04	6.27E-03	2.84E+00		3.92E+00	3.91E+00	2.85E-03	2.20E-03
Cm+3, (MT)	1.54E-09		1.54E-09	1.55E-09	4.00E-09		4.92E-09	4.92E-09	3.58E-12	2.76E-12
CO+3, (MT)	5.03E-05		5.03E-05	5.10E-05	3.53E-04		4.67E-04	4.67E-04	3.39E-07	2.62E-07
CO ₃ -2, (MT)	1.15E-02		1.15E-02	1.16E-02	1.16E-02		1.17E-02	1.17E-02	8.46E-06	6.53E-06
Cr+3, (MT)	2.06E-03		2.06E-03	3.74E-03	7.80E-01		1.07E+00	1.07E+00	7.80E-04	6.02E-04
Cs+, (MT)	8.90E-06		8.90E-06	2.26E-05	6.36E-03		8.76E-03	8.76E-03	6.37E-06	4.91E-06
Cu+2, (MT)	5.03E-05		5.03E-05	5.31E-05	1.34E-03		1.83E-03	1.83E-03	1.37E-06	1.03E-06
F-, (MT)	3.73E-03		3.73E-03	1.77E-02	6.51E+00		8.97E+00	8.96E+00	6.52E-03	5.03E-03
Fe+3, (MT)	4.78E-02		4.78E-02	4.80E-02	9.20E-02		1.09E-01	1.09E-01	7.89E-05	6.09E-05
H ₂ O, (MT)				9.75E+01	3.62E+02		6.26E+04	6.26E+04	4.55E+01	3.51E+01
Hg+2, (MT)	5.80E-07		5.80E-07	1.52E-05	6.80E-03		9.37E-03	9.37E-03	6.81E-06	5.25E-06
I-, (MT)	1.91E-07		1.91E-07	3.12E-06	1.37E-03		1.88E-03	1.88E-03	1.37E-06	1.06E-06
K+, (MT)	1.11E-03		1.11E-03	1.90E-02	8.32E+00		1.15E+01	1.15E+01	8.33E-03	6.43E-03
La+3, (MT)	2.54E-03		2.54E-03	2.55E-03	4.46E-03		5.19E-03	5.19E-03	3.77E-06	2.91E-06
Li+, (MT)	2.25E-06		2.25E-06	2.64E-06	1.83E-04		2.52E-04	2.51E-04	1.83E-07	1.41E-07
Mg+2, (MT)	3.21E-04		3.21E-04	3.28E-04	3.47E-03		4.66E-03	4.65E-03	3.38E-06	2.61E-06
MnO ₂ , (MT)	1.26E-02		1.26E-02	1.29E-02	1.39E-01		1.86E-01	1.86E-01	1.35E-04	1.04E-04
Mo+6, (MT)	3.40E-04		3.40E-04	3.82E-04	1.95E-02		2.68E-02	2.67E-02	1.94E-05	1.50E-05
Na+, (MT)	4.67E-02		4.67E-02	1.80E+02	5.24E+04		1.15E+05	1.15E+05	8.38E+01	6.47E+01
Ni+3, (MT)	6.59E-04		6.59E-04	6.67E-04	4.04E-03		5.32E-03	5.32E-03	3.87E-06	2.98E-06
Ni ₂ FeO ₆ , (MT)	3.29E-02		3.29E-02	3.29E-02	3.29E-02		3.29E-02	3.29E-02	2.39E-05	1.85E-05
NO ₂ -, (MT)	4.30E-03		4.30E-03	4.31E-03	4.34E-03		4.34E-03	4.34E-03	3.16E-06	2.44E-06
NO ₃ -, (MT)	6.75E-02		6.75E-02	5.97E+02	1.42E+05		3.83E+05	3.83E+05	2.78E+02	2.15E+02
Np+4, (MT)	2.83E-06		2.83E-06	2.90E-06	3.03E-05		4.07E-05	4.06E-05	2.96E-08	2.28E-08
OH-, (MT)	1.06E-01		1.06E-01	1.06E-01	1.07E-01		1.07E-01	1.07E-01	7.75E-05	5.98E-05
P ₂ O ₅ :2H ₂ O, (MT)	1.33E-03		1.33E-03	1.33E-03	1.33E-03		1.33E-03	1.33E-03	9.66E-07	7.45E-07
Pb+4, (MT)	1.93E-03		1.93E-03	1.97E-03	1.77E-02		2.37E-02	2.37E-02	1.72E-05	1.33E-05
PO ₄ -3, (MT)	4.20E-02		4.20E-02	1.07E-01	3.01E+01		4.14E+01	4.14E+01	3.11E-02	2.32E-02
Poly, (MT)	4.08E-03		4.08E-03	4.08E-03	4.08E-03		4.08E-03	4.08E-03	2.97E-06	2.29E-06
Rb+4, (MT)	1.64E-05		1.64E-05	1.65E-05	6.40E-05		8.19E-05	8.19E-05	5.95E-08	4.59E-08
Rb+, (MT)	1.72E-07		1.72E-07	9.55E-07	3.65E-04		5.03E-04	5.03E-04	3.65E-07	2.82E-07
Re+7, (MT)	2.53E-06		2.53E-06	2.60E-06	2.97E-05		3.99E-05	3.99E-05	2.90E-08	2.24E-08
Rh+3, (MT)	2.83E-05		2.83E-05	2.85E-05	9.98E-05		1.27E-04	1.27E-04	9.21E-08	7.11E-08
Ru+3, (MT)	3.47E-05		3.47E-05	3.51E-05	1.92E-04		2.51E-04	2.51E-04	1.83E-07	1.41E-07
Sb+5, (MT)	1.20E-04		1.20E-04	1.20E-04	4.48E-04		5.73E-04	5.72E-04	4.16E-07	3.21E-07
Se+6, (MT)	1.21E-04		1.21E-04	1.28E-04	3.35E-03		4.57E-03	4.56E-03	3.32E-06	2.56E-06
Si+4, (MT)	3.07E-03		3.07E-03	3.25E-03	8.17E-02		1.11E-01	1.11E-01	8.09E-05	6.25E-05
Sn+3, (MT)	2.11E-06		2.11E-06	2.12E-06	3.94E-06		4.63E-06	4.63E-06	3.36E-09	2.60E-09
Sn+4, (MT)	9.62E-07		9.62E-07	1.03E-06	3.00E-05		4.09E-05	4.09E-05	2.97E-08	2.30E-08
SO ₄ -2, (MT)	2.60E-03		2.60E-03	2.77E-02	1.17E+01		1.61E+01	1.61E+01	1.17E-02	9.05E-03
Sr+2, (MT)	2.43E-03		2.43E-03	2.44E-03	4.64E-03		5.47E-03	5.46E-03	3.97E-06	3.07E-06
TeO ₄ -, (MT)	5.84E-05		5.84E-05	9.58E-05	1.74E-02		2.40E-02	2.40E-02	1.74E-05	1.35E-05
Te+6, (MT)	1.62E-05		1.62E-05	1.63E-05	4.64E-05		5.78E-05	5.78E-05	4.20E-08	3.24E-08
Tl+4, (MT)	8.92E-04		8.92E-04	8.95E-04	1.85E-03		2.20E-03	2.20E-03	1.60E-06	1.24E-06
Ti+4, (MT)	2.90E-05		2.90E-05	2.91E-05	6.72E-05		8.16E-05	8.15E-05	5.93E-08	4.57E-08
Tl+3, (MT)	3.43E-04		3.43E-04	3.48E-04	2.09E-03		2.76E-03	2.75E-03	2.00E-06	1.55E-06
TOC, (MT)	2.19E-03		2.19E-03	1.20E-02	4.58E+00		6.31E+00	6.30E+00	4.58E-03	3.54E-03
UD ₂ +2, (MT)	9.58E-02		9.58E-02	9.71E-02	6.28E-01		8.29E-01	8.28E-01	6.02E-04	4.65E-04
V+5, (MT)	2.54E-06		2.54E-06	2.67E-06	5.87E-05		7.99E-05	7.98E-05	5.80E-08	4.48E-08
W+6, (MT)				4.12E-05	1.92E-02		2.64E-02	2.64E-02	1.92E-05	1.48E-05
Zn+2, (MT)	9.67E-05		9.67E-05	1.08E-04	5.27E-03		7.23E-03	7.22E-03	5.25E-06	4.05E-06
ZrO ₂ :2H ₂ O, (MT)	6.36E-02		6.36E-02	6.40E-02	2.01E-01		2.53E-01	2.53E-01	1.84E-04	1.42E-04

STREAM NAME LIQUID COMPONENTS	14	15	16	17	18	19	20	21	22	23
Total Mass Flow, (MT)	9.47E+04	7.09E+05	5.69E+05	8.89E+05	1.40E+05	7.09E+05	5.69E+05	1.40E+05	4.63E+05	1.17E+06
Al, (MT)	2.23E+03	1.47E+04	1.18E+04	1.93E+04	2.90E+03	1.42E+04	1.13E+04	2.78E+03		1.32E+04
Fe, (MT)	9.89E+00	1.84E+01	1.47E+01	4.82E+01	3.63E+00	4.66E+00	3.62E-01	8.91E-02		1.98E-01
Cr, (MT)	1.32E+02	2.45E+02	1.97E+02	6.44E+02	4.84E+01	6.17E+01	4.34E+00	1.07E+00		2.14E+00
Na, (MT)	1.12E+04	8.34E+04	6.70E+04	1.05E+05	1.65E+04	8.33E+04	6.68E+04	1.64E+04		1.32E+05
Si, (MT)	1.34E+01	2.48E+01	1.99E+01	6.51E+01	4.90E+00	6.24E+00	4.42E-01	1.09E-01		2.20E-01
P, (MT)	1.67E+03	3.09E+03	2.48E+03	8.11E+03	6.10E+02	7.77E+02	5.46E+01	1.35E+01		2.69E+01
NO ₂ - and NO ₃ -, (MT)	3.54E+04	3.08E+05	2.47E+05	3.66E+05	6.08E+04	3.18E+05	2.58E+05	6.35E+04		4.46E+05
Cs and Ba, (MCI)	8.87E+01	1.64E+02	1.32E+02	4.32E+02	3.25E+01	4.14E+01	2.91E+00	7.16E-01		1.43E+00
Sr and Y, (MCI)	1.41E+00	2.62E+00	2.10E+00	6.86E+00	5.18E-01	6.71E-01	5.82E-02	1.43E-02		3.49E-02
Tc, (MCI)	3.06E-02	5.68E-02	4.55E-02	1.49E-01	1.12E-02	1.43E-02	1.00E-03	2.47E-04		4.95E-04
TRU, (MCI)	8.57E-03	1.59E-02	1.28E-02	4.17E-02	3.14E-03	4.02E-03	2.98E-04	7.34E-05		1.56E-04
Total MCI	1.46E+04	2.70E+02	2.17E+02	7.09E+02	5.34E+01	6.85E+01	5.22E+00	1.29E+00		2.80E+00
Ag+, (MT)	3.24E-02	6.00E-02	4.82E-02	1.58E-01	1.19E-02	1.51E-02	1.10E-03	2.70E-04		5.59E-04
Al+3, (MT)	2.23E+03	1.47E+04	1.18E+04	1.93E+04	2.90E+03	1.42E+04	1.13E+04	2.78E+03		1.32E+04
Al(OH) ₄ -, (MT)										
Am+3, (MT)	1.96E-03	3.64E-03	2.92E-03	9.56E-03	7.20E-04	9.20E-04	6.79E-05	1.67E-05		3.53E-05
As+5, (MT)	1.89E-01	3.50E-01	2.81E-01	9.18E-01	6.91E-02	8.91E-02	6.24E-03	1.54E-03		3.11E-03
B+3, (MT)	9.88E-02	1.83E-01	1.47E-01	4.81E-01	3.62E-02	4.64E-02	3.45E-03	8.51E-04		1.81E-03
Ba+2, (MT)	3.08E-01	5.71E-01	4.58E-01	1.50E+00	1.13E-01	1.44E-01	1.03E-02	2.53E-03		5.15E-03
Be+2, (MT)	7.40E-04	1.37E-03	1.10E-03	3.60E-03	2.71E-04	3.46E-04	2.51E-05	6.17E-06		1.28E-05
Bi+3, (MT)	6.40E+01	1.19E+02	9.52E+01	3.12E+02	2.35E+01	2.99E+01	2.12E+00	5.21E-01		1.05E+00
Carbon-14, (MT)	1.10E-03	2.03E-03	1.63E-03	5.34E-03	4.02E-04	5.12E-04	3.60E-05	8.85E-06		1.77E-05
Ce+2, (MT)	1.10E+01	2.03E+01	1.63E+01	5.33E+01	4.01E+00	5.13E+00	3.72E-01	9.17E-02		1.90E-01
Co+2, (MT)	2.22E+00	4.11E+00	3.30E+00	1.08E+01	8.11E-01	1.03E+00	7.33E-02	1.81E-02		3.65E-02
Ce+3, (MT)	2.37E+00	4.41E+00	3.54E+00	1.16E+01	8.72E-01	1.13E+00	9.81E-02	2.42E-02		5.88E-02
Cl-, (MT)	4.84E+02	8.96E+02	7.19E+02	2.35E+03	1.77E+02	2.26E+02	1.59E+01	3.90E+00		7.81E+00
Cr+3, (MT)	4.17E-07	7.75E-07	6.22E-07	2.03E-06	1.53E-07	1.97E-07	1.57E-08	3.87E-09		8.78E-09
Co+3, (MT)	5.14E-02	9.54E-02	7.66E-02	2.50E-01	1.89E-02	2.41E-02	1.75E-03	4.32E-04		8.98E-04
Co2, (MT)										
Co3-2, (MT)	1.15E-02	3.58E-02	2.87E-02	6.77E-02	7.06E-03	2.33E-02	1.56E-02	3.85E-03		1.55E-02
Cr+3, (MT)	1.32E+02	2.45E+02	1.97E+02	6.44E+02	4.84E+01	6.17E+01	4.34E+00	1.07E+00		2.14E+00
Cr(OH) ₄ -, (MT)										
Cst, (MT)	1.08E+00	2.00E+00	1.61E+00	5.26E+00	3.96E-01	5.04E-01	3.54E-02	8.72E-03		1.75E-02
Cr+2, (MT)	2.20E-01	4.07E-01	3.27E-01	1.07E+00	8.04E-02	1.03E-01	7.26E-03	1.79E-03		3.62E-03
F-, (MT)	1.11E+03	2.05E+03	1.65E+03	5.39E+03	4.05E+02	5.16E+02	3.63E+01	8.93E+00		1.79E+01
Fe+3, (MT)	7.50E+00	1.40E+01	1.12E+01	3.65E+01	2.76E+00	3.57E+00	3.09E-01	7.61E-02		1.85E-01
FeCN6-3, (MT)	3.51E+00	6.48E+00	5.20E+00	1.71E+01	1.28E+00	1.60E+00	7.76E-02	1.91E-02		1.91E-02
H+, (MT)	6.07E+01	1.12E+02	8.98E+01	2.95E+02	2.21E+01	2.76E+01	1.34E+00	3.30E-01		3.30E-01
H2O, (MT)	3.45E+04	2.82E+05	2.27E+05	3.43E+05	5.58E+04	2.88E+05	2.33E+05	5.73E+04	4.63E+05	5.83E+05
Hg+2, (MT)	1.16E+00	2.14E+00	1.72E+00	5.63E+00	4.24E-01	5.40E-01	3.79E-02	9.34E-03		1.87E-02
I-, (MT)	2.32E-01	4.31E-01	3.46E-01	1.13E+00	8.51E-02	1.08E-01	7.62E-03	1.88E-03		3.76E-03
K+, (MT)	1.42E+03	2.62E+03	2.10E+03	6.89E+03	5.18E+02	6.60E+02	4.64E+01	1.14E+01		2.29E+01
La+3, (MT)	3.27E-01	6.10E-01	4.89E-01	1.60E+00	1.21E-01	1.57E-01	1.41E-02	3.47E-03		8.65E-03
Li+, (MT)	3.08E-02	5.71E-02	4.58E-02	1.50E-01	1.13E-02	1.44E-02	1.01E-03	2.49E-04		5.00E-04
Mg+2, (MT)	5.35E-01	9.92E-01	7.96E-01	2.60E+00	1.96E-01	2.50E-01	1.80E-02	4.42E-03		9.07E-03
MnO2, (MT)	2.14E+01	3.97E+01	3.19E+01	1.04E+02	7.84E+00	1.00E+01	7.18E-01	1.77E-01		3.63E-01
Mo+6, (MT)	3.26E+00	6.05E+00	4.85E+00	1.59E+01	1.20E+00	1.52E+00	1.07E-01	2.64E-02		5.32E-02
Nat, (MT)	1.12E+04	8.34E+04	6.70E+04	1.05E+05	1.65E+04	8.33E+04	6.68E+04	1.64E+04		1.32E+05
Ni+3, (MT)	5.76E-01	1.07E+00	8.57E-01	2.80E+00	2.11E-01	2.70E-01	1.97E-02	4.86E-03		1.02E-02
NO, (MT)										
NO2-, (MT)	4.30E-03	1.33E-02	1.07E-02	2.52E-02	2.63E-03	8.69E-03	5.83E-03	1.44E-03		5.77E-03
NO3-, (MT)	3.54E+04	3.08E+05	2.47E+05	3.66E+05	6.08E+04	3.18E+05	2.58E+05	6.35E+04		4.46E+05
Np+4, (MT)	4.67E-03	8.66E-03	6.95E-03	2.27E-02	1.71E-03	2.18E-03	1.57E-04	3.86E-05		7.92E-05
OH-, (MT)	1.06E-01	3.28E-01	2.63E-01	6.20E-01	6.47E-02	2.13E-01	1.43E-01	3.52E-02		1.42E-01
Rb+4, (MT)	2.68E+00	4.98E+00	3.99E+00	1.31E+01	9.83E-01	1.26E+00	9.05E-02	2.23E-02		4.59E-02
PO4-3, (MT)	5.11E+03	9.46E+03	7.59E+03	2.49E+04	1.87E+03	2.38E+03	1.67E+02	4.12E+01		8.25E+01
Poly, (MT)	4.38E+01	8.08E+01	6.48E+01	2.13E+02	1.60E+01	1.99E+01	9.68E-01	2.38E-01		2.38E-01
Ru+4, (MT)	8.09E-03	1.50E-02	1.21E-02	3.94E-02	2.97E-03	3.80E-03	2.87E-04	7.06E-05		1.52E-04
Rb+2, (MT)	6.21E-02	1.15E-01	9.23E-02	3.02E-01	2.27E-02	2.90E-02	2.03E-03	5.01E-04		1.00E-03
Ru+7, (MT)	4.61E-03	8.55E-03	6.86E-03	2.25E-02	1.69E-03	2.16E-03	1.55E-04	3.81E-05		7.79E-05
Ru+3, (MT)	1.22E-02	2.26E-02	1.81E-02	5.92E-02	4.46E-03	5.71E-03	4.36E-04	1.07E-04		2.34E-04
Ru+3, (MT)	2.67E-02	4.96E-02	3.98E-02	1.30E-01	9.79E-03	1.25E-02	9.21E-04	2.27E-04		4.78E-04
Sb+5, (MT)	5.59E-02	1.04E-01	8.33E-02	2.72E-01	2.05E-02	2.63E-02	1.99E-03	4.90E-04		1.06E-03
Se+6, (MT)	5.49E-01	1.02E+00	8.17E-01	2.67E+00	2.01E-01	2.56E-01	1.82E-02	4.47E-03		9.03E-03
Si+4, (MT)	1.34E+01	2.48E+01	1.99E+01	6.51E+01	4.90E+00	6.24E+00	4.42E-01	1.09E-01		2.20E-01
Sn+3, (MT)	3.11E-04	5.79E-04	4.65E-04	1.52E-03	1.14E-04	1.48E-04	1.30E-05	3.20E-06		7.82E-06
Sn+4, (MT)	4.93E-03	9.15E-03	7.34E-03	2.40E-02	1.81E-03	2.30E-03	1.63E-04	4.01E-05		8.10E-05
SO4-2, (MT)	1.99E+03	3.69E+03	2.96E+03	9.69E+03	7.29E+02	9.29E+02	6.53E+01	1.61E+01		3.22E+01
Sr+2, (MT)	3.74E-01	6.97E-01	5.59E-01	1.82E+00	1.38E-01	1.78E-01	1.55E-02	3.81E-03		9.27E-03
TcO4-, (MT)	2.95E+00	5.48E+00	4.39E+00	1.44E+01	1.08E+00	1.38E+00	9.69E-02	2.39E-02		4.78E-02
Tet+6, (MT)	5.13E-03	9.53E-03	7.65E-03	2.50E-02	1.88E-03	2.42E-03	1.90E-04	4.67E-05		1.04E-04
Th+4, (MT)	1.62E-01	3.01E-01	2.42E-01	7.88E-01	5.95E-02	7.69E-02	6.48E-03	1.60E-03		3.80E-03
Ti+4, (MT)	6.49E-03	1.21E-02	9.68E-03	3.16E-02	2.38E-03	3.07E-03	2.51E-04	6.18E-05		1.43E-04
Tl+3, (MT)	2.98E-01	5.52E-01	4.43E-01	1.45E+00	1.09E-01	1.39E-01	1.02E-02	2.57E-03		5.27E-03
TOC, (MT)	7.78E+02	1.44E+03	1.16E+03	3.79E+03	2.85E+02	3.63E+02	2.55E+01	6.28E+00		1.26E+01
UO2+2, (MT)	9.05E+01	1.68E+02	1.35E+02	4.41E+02	3.32E+01	4.24E+01	3.09E+00	7.61E-01		1.59E+00
V+5, (MT)	9.54E-03	1.77E-02	1.42E-02	4.65E-02	3.50E-03	4.46E-03	3.16E-04	7.78E-05		1.58E-04
W+6, (MT)	3.26E+00	6.05E+00	4.85E+00	1.59E+01	1.20E+00	1.52E+00	1.07E-01	2.63E-02		5.27E-02
Zn+2, (MT)	8.80E-01	1.63E+00	1.31E+00	4.28E+00	3.22E-01	4.11E-01	2.90E-02	7.13E-03		1.44E-02
ZnO2.2H2O, (MT)	2.34E+01	4.34E+01	3.48E+01	1.14E+02	8.58E+00	1.10E+01	8.50E-01	2.09E-01		4.62E-01

STREAM NAME	14	15	16	17	18	19	20	21	22	23
SOLID COMPONENTS										
Total Mass Flow, (MT)	9.48E+01	5.72E+05	5.70E+02	8.90E+02	5.71E+05	5.72E+05	5.70E+02	5.71E+05		2.17E-01
Al, (MT)	1.72E+00	1.04E+04	1.04E+01	1.62E+01	1.04E+04	1.04E+04	1.04E+01	1.04E+04		2.83E-02
Fe, (MT)	1.89E-05	1.14E-01	1.14E-04	1.78E-04	1.14E-01	1.14E-01	1.14E-04	1.14E-01		5.58E-03
Cr, (MT)	1.78E-04	1.07E+00	1.07E-03	1.67E-03	1.07E+00	1.07E+00	1.07E-03	1.07E+00		
Na, (MT)	1.91E+01	1.15E+05	1.15E+02	1.80E+02	1.15E+05	1.15E+05	1.15E+02	1.15E+05		3.04E-02
Si, (MT)	2.34E-05	1.41E-01	1.40E-04	2.19E-04	1.41E-01	1.41E-01	1.40E-04	1.41E-01		2.95E-02
P, (MT)	2.24E-03	1.35E+01	1.35E-02	2.10E-02	1.35E+01	1.35E+01	1.35E-02	1.35E+01		1.35E-05
NO ₂ - and NO ₃ -, (MT)	6.35E+01	3.83E+05	3.82E+02	5.97E+02	3.83E+05	3.83E+05	3.82E+02	3.83E+05		
Cs and Ba, (MCI)	1.19E-04	7.20E-01	7.17E-04	1.12E-03	7.19E-01	7.20E-01	7.16E-04	7.18E-01		
Sr and Y, (MCI)	3.41E-06	2.06E-02	2.05E-05	3.20E-05	2.06E-02	2.06E-02	2.05E-05	2.05E-02		
Tc, (MCI)	4.12E-08	2.49E-04	2.48E-07	3.87E-07	2.48E-04	2.49E-04	2.48E-07	2.48E-04		
TRU, (MCI)	1.37E-08	8.24E-05	8.21E-08	1.28E-07	8.23E-05	8.24E-05	8.20E-08	8.22E-05		
Total MCI	2.52E-04	1.52E+00	1.51E-03	2.37E-03	1.52E+00	1.52E+00	1.51E-03	1.52E+00		
Ag ⁺ , (MT)	4.80E-08	2.89E-04	2.88E-07	4.50E-07	2.89E-04	2.89E-04	2.88E-07	2.89E-04		
Al ³⁺ , (MT)	1.72E+00	1.04E+04	1.04E+01	1.62E+01	1.04E+04	1.04E+04	1.04E+01	1.04E+04		
Am ³⁺ , (MT)	3.08E-09	1.86E-05	1.85E-08	2.89E-08	1.86E-05	1.86E-05	1.85E-08	1.86E-05		
As ⁵⁺ , (MT)	2.61E-07	1.57E-03	1.57E-06	2.45E-06	1.57E-03	1.57E-03	1.56E-06	1.57E-03		
B ³⁺ , (MT)	1.60E-07	9.64E-04	9.60E-07	1.50E-06	9.63E-04	9.64E-04	9.59E-07	9.62E-04		
Ba ²⁺ , (MT)	4.36E-07	2.63E-03	2.62E-06	4.09E-06	2.63E-03	2.63E-03	2.62E-06	2.62E-03		
Be ²⁺ , (MT)	1.10E-09	6.61E-06	6.58E-09	1.03E-08	6.60E-06	6.61E-06	6.57E-09	6.59E-06		
Bi ³⁺ , (MT)	8.75E-05	5.32E-01	5.30E-04	8.28E-04	5.31E-01	5.32E-01	5.29E-04	5.31E-01		
Carbon-14, (MT)	1.47E-09	8.89E-06	8.86E-09	1.38E-08	8.88E-06	8.89E-06	8.85E-09	8.87E-06		
Ca ²⁺ , (MT)	1.64E-05	9.89E-02	9.85E-05	1.54E-04	9.88E-02	9.89E-02	9.84E-05	9.87E-02		
Cancrinite, (MT)	2.96E-05	1.79E-01	1.78E-04	2.78E-04	1.79E-01	1.79E-01	1.78E-04	1.79E-01		1.79E-01
Ca ²⁺ , (MT)	3.07E-06	1.85E-02	1.84E-05	2.88E-05	1.85E-02	1.85E-02	1.84E-05	1.85E-02		
Ce ³⁺ , (MT)	5.75E-06	3.47E-02	3.46E-05	5.40E-05	3.47E-02	3.47E-02	3.45E-05	3.46E-02		
Cl ⁻ , (MT)	6.50E-04	3.92E+00	3.90E-03	6.10E-03	3.91E+00	3.92E+00	3.90E-03	3.91E+00		
Cm ³⁺ , (MT)	8.16E-13	4.92E-09	4.90E-12	7.66E-12	4.92E-09	4.92E-09	4.90E-12	4.91E-09		
CO ³⁺ , (MT)	7.75E-08	4.67E-04	4.66E-07	7.27E-07	4.67E-04	4.67E-04	4.65E-07	4.66E-04		
CO ³⁺ , (MT)	1.93E-06	1.17E-02	1.16E-05	1.81E-05	1.16E-02	1.17E-02	1.16E-05	1.16E-02		
Cr ³⁺ , (MT)	1.78E-04	1.07E+00	1.07E-03	1.67E-03	1.07E+00	1.07E+00	1.07E-03	1.07E+00		
Cs ⁺ , (MT)	1.45E-06	8.77E-03	8.73E-06	1.36E-05	8.76E-03	8.77E-03	8.72E-06	8.75E-03		
Cur ²⁺ , (MT)	3.03E-07	1.83E-03	1.82E-06	2.85E-06	1.83E-03	1.83E-03	1.82E-06	1.83E-03		
F ⁻ , (MT)	1.49E-03	8.97E+00	8.94E-03	1.40E-02	8.96E+00	8.97E+00	8.93E-03	8.95E+00		
Fe ³⁺ , (MT)	1.80E-05	1.09E-01	1.08E-04	1.69E-04	1.09E-01	1.09E-01	1.08E-04	1.08E-01		
H ₂ O, (MT)	1.04E+01	6.26E+04	6.24E+01	9.75E+01	6.26E+04	6.26E+04	6.24E+01	6.25E+04		
Hg ²⁺ , (MT)	1.55E-06	9.37E-03	9.34E-06	1.46E-05	9.37E-03	9.37E-03	9.33E-06	9.36E-03		
I ⁻ , (MT)	3.12E-07	1.88E-03	1.88E-06	2.93E-06	1.88E-03	1.88E-03	1.88E-06	1.88E-03		
K ⁺ , (MT)	1.90E-03	1.15E+01	1.14E-02	1.79E-02	1.15E+01	1.15E+01	1.14E-02	1.14E+01		
La ³⁺ , (MT)	8.61E-07	5.19E-03	5.17E-06	8.08E-06	5.19E-03	5.19E-03	5.17E-06	5.18E-03		
Li ⁺ , (MT)	4.17E-08	2.52E-04	2.51E-07	3.92E-07	2.51E-04	2.52E-04	2.50E-07	2.51E-04		
Mg ²⁺ , (MT)	7.72E-07	4.66E-03	4.64E-06	7.25E-06	4.65E-03	4.66E-03	4.63E-06	4.65E-03		
MnO ₂ , (MT)	3.09E-05	1.86E-01	1.85E-04	2.90E-04	1.86E-01	1.86E-01	1.85E-04	1.86E-01		
Mn ²⁺ , (MT)	4.44E-06	2.68E-02	2.67E-05	4.17E-05	2.67E-02	2.68E-02	2.66E-05	2.67E-02		
Na ⁺ , (MT)	1.91E+01	1.15E+05	1.15E+02	1.80E+02	1.15E+05	1.15E+05	1.15E+02	1.15E+05		
Ni ³⁺ , (MT)	8.83E-07	5.32E-03	5.30E-06	8.29E-06	5.32E-03	5.32E-03	5.30E-06	5.31E-03		
Ni ₂ Fe ₂ Si ₂ O ₁₀ , (MT)	5.46E-06	3.29E-02	3.28E-05	5.13E-05	3.29E-02	3.29E-02	3.28E-05	3.29E-02		3.29E-02
NO ₂ -, (MT)	7.21E-07	4.35E-03	4.33E-06	6.77E-06	4.34E-03	4.35E-03	4.33E-06	4.34E-03		
NO ₃ -, (MT)	6.35E+01	3.83E+05	3.82E+02	5.97E+02	3.83E+05	3.83E+05	3.82E+02	3.83E+05		
Np ⁴⁺ , (MT)	6.75E-09	4.07E-05	4.05E-08	6.33E-08	4.06E-05	4.07E-05	4.05E-08	4.06E-05		
OH ⁻ , (MT)	1.77E-05	1.07E-01	1.06E-04	1.66E-04	1.07E-01	1.07E-01	1.06E-04	1.07E-01		
P ₂ O ₅ ·2H ₂ O, (MT)	2.21E-07	1.33E-03	1.33E-06	2.07E-06	1.33E-03	1.33E-03	1.33E-06	1.33E-03		1.33E-03
Pb ⁴⁺ , (MT)	3.93E-06	2.37E-02	2.36E-05	3.69E-05	2.37E-02	2.37E-02	2.36E-05	2.36E-02		
PO ₄ ³⁻ , (MT)	6.87E-03	4.14E+01	4.13E-02	6.45E-02	4.14E+01	4.14E+01	4.12E-02	4.13E+01		
Poly, (MT)	6.77E-07	4.09E-03	4.07E-06	6.36E-06	4.08E-03	4.09E-03	4.07E-06	4.08E-03		4.08E-03
Ru ⁴⁺ , (MT)	1.36E-08	8.20E-05	8.17E-08	1.28E-07	8.19E-05	8.20E-05	8.16E-08	8.18E-05		
Rb ⁺ , (MT)	8.34E-08	5.03E-04	5.01E-07	7.83E-07	5.03E-04	5.03E-04	5.01E-07	5.02E-04		
Re ⁷⁺ , (MT)	6.62E-09	3.99E-05	3.98E-08	6.21E-08	3.99E-05	3.99E-05	3.97E-08	3.98E-05		
Rh ³⁺ , (MT)	2.10E-08	1.27E-04	1.26E-07	1.97E-07	1.27E-04	1.27E-04	1.26E-07	1.27E-04		
Ru ³⁺ , (MT)	4.17E-08	2.51E-04	2.50E-07	3.91E-07	2.51E-04	2.51E-04	2.50E-07	2.51E-04		
Sb ⁵⁺ , (MT)	9.50E-08	5.73E-04	5.71E-07	8.92E-07	5.72E-04	5.73E-04	5.70E-07	5.72E-04		
Se ⁶⁺ , (MT)	7.58E-07	4.57E-03	4.55E-06	7.11E-06	4.56E-03	4.57E-03	4.55E-06	4.56E-03		
Si ⁴⁺ , (MT)	1.85E-05	1.11E-01	1.11E-04	1.73E-04	1.11E-01	1.11E-01	1.11E-04	1.11E-01		
Sn ³⁺ , (MT)	7.68E-10	4.63E-06	4.61E-09	7.21E-09	4.63E-06	4.63E-06	4.61E-09	4.62E-06		
Sn ⁴⁺ , (MT)	6.79E-09	4.09E-05	4.08E-08	6.37E-08	4.09E-05	4.09E-05	4.08E-08	4.09E-05		
SO ₄ ²⁻ , (MT)	2.68E-03	1.61E+01	1.61E-02	2.51E-02	1.61E+01	1.61E+01	1.61E-02	1.61E+01		
St ²⁺ , (MT)	9.07E-07	5.47E-03	5.45E-06	8.51E-06	5.46E-03	5.47E-03	5.44E-06	5.46E-03		
TcO ₄ -, (MT)	3.98E-06	2.40E-02	2.39E-05	3.74E-05	2.40E-02	2.40E-02	2.39E-05	2.39E-02		
Te ⁶⁺ , (MT)	9.59E-09	5.78E-05	5.76E-08	9.00E-08	5.78E-05	5.78E-05	5.76E-08	5.77E-05		
Th ⁴⁺ , (MT)	3.66E-07	2.20E-03	2.20E-06	3.43E-06	2.20E-03	2.20E-03	2.19E-06	2.20E-03		
Ti ⁴⁺ , (MT)	1.35E-08	8.16E-05	8.13E-08	1.27E-07	8.15E-05	8.16E-05	8.12E-08	8.14E-05		
Tl ³⁺ , (MT)	4.57E-07	2.76E-03	2.75E-06	4.29E-06	2.75E-03	2.76E-03	2.74E-06	2.75E-03		
TCC, (MT)	1.05E-03	6.31E+00	6.29E-03	9.82E-03	6.30E+00	6.31E+00	6.28E-03	6.30E+00		
UC ₂ H ₂ , (MT)	1.38E-04	8.29E-01	8.26E-04	1.29E-03	8.28E-01	8.29E-01	8.25E-04	8.27E-01		
V ⁵⁺ , (MT)	1.32E-08	7.99E-05	7.96E-08	1.24E-07	7.98E-05	7.99E-05	7.95E-08	7.97E-05		
W ⁶⁺ , (MT)	4.39E-06	2.64E-02	2.63E-05	4.12E-05	2.64E-02	2.64E-02	2.63E-05	2.64E-02		
Zn ²⁺ , (MT)	1.20E-06	7.23E-03	7.20E-06	1.13E-05	7.22E-03	7.23E-03	7.19E-06	7.21E-03		
ZrO ₂ ·2H ₂ O, (MT)	4.20E-05	2.53E-01	2.52E-04	3.94E-04	2.53E-01	2.53E-01	2.52E-04	2.53E-01		

STREAM NAME	24	25	26	27	28	29	30	31	32	33
LIQUID COMPONENTS										
Total Mass Flow, (MT)	5.69E+05	1.49E+06	4.74E+05	8.25E+05	5.07E+05	3.82E+05	8.88E+05	3.19E+05	1.26E+05	6.32E+05
Al, (MT)	1.13E+04	1.95E+04	1.95E-01	1.95E+04	1.18E+04	8.89E+03	1.76E+04	6.32E+03	2.92E+03	1.09E+04
Fe, (MT)	1.98E-01	3.08E-01	2.88E-06	3.08E-01	3.08E-01	2.32E-01	3.08E-01	1.11E-01	7.62E-02	9.53E-02
Cr, (MT)	2.14E+00	3.34E+00	3.34E-05	3.34E+00	3.34E+00	2.51E+00	3.34E+00	1.20E+00	8.26E-01	1.03E+00
Na, (MT)	6.68E+04	1.69E+05	1.69E+05	1.17E+05	5.96E+04	4.48E+04	1.04E+05	3.74E+04	1.47E+04	7.41E+04
Si, (MT)	2.20E-01	3.44E-01	3.44E-06	3.43E-01	3.43E-01	2.58E-01	3.44E-01	1.23E-01	8.49E-02	1.06E-01
P, (MT)	2.69E+01	4.21E+01	4.21E-04	4.20E+01	4.20E+01	3.16E+01	4.21E+01	1.51E+01	1.04E+01	1.30E+01
NO ₂ - and NO ₃ -, (MT)	2.58E+05	5.91E+05	5.91E+00	4.49E+05	2.43E+05	1.83E+05	4.03E+05	1.45E+05	6.00E+04	2.75E+05
Cs and Ba, (MCI)	1.43E+00	2.24E+00	2.24E-04	2.24E+00	2.24E+00	1.68E+00	2.24E+00	8.04E-01	5.53E-01	6.92E-01
Sr and Y, (MCI)	3.49E-02	5.44E-02	5.44E-07	5.44E-02	5.44E-02	4.09E-02	5.44E-02	1.96E-02	1.35E-02	1.68E-02
Tc, (MCI)	4.95E-04	7.73E-04	7.73E-08	7.73E-04	7.73E-04	5.82E-04	7.73E-04	2.78E-04	1.91E-04	2.39E-04
TRU, (MCI)	1.56E-04	2.43E-04	2.43E-09	2.43E-04	2.43E-04	1.83E-04	2.43E-04	8.72E-05	6.00E-05	7.51E-05
Total MCI	2.80E+00	4.37E+00	2.56E-04	4.37E+00	4.37E+00	3.29E+00	4.37E+00	1.08E+00	1.08E+00	1.35E+00
Ag+, (MT)	5.59E-04	8.72E-04	8.72E-09	8.72E-04	8.71E-04	6.56E-04	8.72E-04	3.13E-04	2.16E-04	2.70E-04
Al+3, (MT)	1.13E+04	1.95E+04	1.95E-01	1.95E+04	1.18E+04	8.89E+03	1.76E+04	6.32E+03	2.92E+03	1.09E+04
AL(OH) ₄ -, (MT)	3.53E-05	5.50E-05	5.50E-10	5.50E-05	5.50E-05	4.14E-05	5.50E-05	1.98E-05	1.36E-05	1.70E-05
Am+3, (MT)	3.11E-03	4.85E-03	4.85E-08	4.85E-03	4.85E-03	3.65E-03	4.85E-03	1.74E-03	1.20E-03	1.50E-03
As+5, (MT)	1.81E-03	2.83E-03	2.83E-08	2.83E-03	2.83E-03	2.13E-03	2.83E-03	1.02E-03	6.99E-04	8.75E-04
B+3, (MT)	5.15E-03	8.04E-03	8.04E-08	8.04E-03	8.04E-03	6.05E-03	8.04E-03	2.89E-03	1.99E-03	2.49E-03
Ba+2, (MT)	1.28E-05	1.99E-05	1.99E-10	1.99E-05	1.99E-05	1.50E-05	1.99E-05	7.16E-06	4.93E-06	6.16E-06
Bi+3, (MT)	1.05E+00	1.64E+00	1.64E-05	1.64E+00	1.64E+00	1.23E+00	1.64E+00	5.90E-01	4.06E-01	5.07E-01
Carbon-14, (MT)	1.77E-05	2.77E-05	2.77E-09	2.77E-05	2.77E-05	2.08E-05	2.77E-05	9.94E-06	6.84E-06	8.55E-06
Cat+2, (MT)	1.90E-01	2.97E-01	2.97E-06	2.97E-01	2.97E-01	2.24E-01	2.97E-01	1.07E-01	7.35E-02	9.19E-02
Cd+2, (MT)	3.65E-02	5.70E-02	5.70E-07	5.70E-02	5.70E-02	4.29E-02	5.70E-02	2.05E-02	1.41E-02	1.76E-02
Ce+3, (MT)	5.88E-02	9.17E-02	9.17E-07	9.17E-02	9.17E-02	6.90E-02	9.17E-02	3.30E-02	2.27E-02	2.84E-02
Cl-, (MT)	7.81E+00	1.22E+01	1.22E-04	1.22E+01	1.22E+01	9.17E+00	1.22E+01	4.38E+00	3.02E+00	3.77E+00
Cm+3, (MT)	8.77E-09	1.37E-08	1.37E-13	1.37E-08	1.37E-08	1.03E-08	1.37E-08	4.92E-09	3.39E-09	4.23E-09
CO+3, (MT)	8.98E-04	1.40E-03	1.40E-08	1.40E-03	1.40E-03	1.05E-03	1.40E-03	5.04E-04	3.47E-04	4.33E-04
CO ₂ , (MT)	1.55E-02	2.42E-02	2.42E-07	2.42E-02	2.41E-02	1.82E-02	2.42E-02	8.68E-03	5.97E-03	7.47E-03
CO ₃ -2, (MT)	2.14E+00	3.34E+00	3.34E-05	3.34E+00	3.34E+00	2.51E+00	3.34E+00	1.20E+00	8.26E-01	1.03E+00
Cr(OH) ₄ -, (MT)	1.75E-02	2.73E-02	2.73E-06	2.73E-02	2.73E-02	2.05E-02	2.73E-02	9.80E-03	6.74E-03	8.43E-03
Cs+, (MT)	3.61E-03	5.64E-03	5.64E-08	5.64E-03	5.64E-03	4.24E-03	5.64E-03	2.03E-03	1.40E-03	1.74E-03
Cu+2, (MT)	1.79E+01	2.79E+01	2.79E-04	2.79E+01	2.79E+01	2.10E+01	2.79E+01	1.00E+01	6.90E+00	8.63E+00
F-, (MT)	1.85E-01	2.88E-01	2.88E-06	2.88E-01	2.88E-01	2.17E-01	2.88E-01	1.04E-01	7.12E-02	8.90E-02
Fe+3, (MT)	1.91E-02	2.98E-02	2.98E-07	2.98E-02	2.98E-02	2.25E-02	2.98E-02	1.07E-02	7.38E-03	9.21E-03
FeCN ₆ -3, (MT)	3.30E-01	5.15E-01	5.15E-05	5.15E-01	5.15E-01	3.88E-01	5.15E-01	1.85E-01	1.28E-01	1.59E-01
H+, (MT)	2.33E+05	7.13E+05	4.74E+05	2.39E+05	1.93E+05	1.45E+05	3.63E+05	1.31E+05	4.78E+04	2.72E+05
H ₂ O, (MT)	1.87E-02	2.92E-02	2.92E-07	2.92E-02	2.92E-02	2.19E-02	2.92E-02	1.05E-02	7.21E-03	9.02E-03
Hg+2, (MT)	3.75E-03	5.86E-03	5.86E-07	5.86E-03	5.86E-03	4.41E-03	5.86E-03	2.11E-03	1.45E-03	1.81E-03
I-, (MT)	2.29E+01	3.57E+01	3.57E-04	3.57E+01	3.57E+01	2.68E+01	3.57E+01	1.28E+01	8.82E+00	1.10E+01
K+, (MT)	8.65E-03	1.35E-02	1.35E-07	1.35E-02	1.35E-02	1.02E-02	1.35E-02	4.85E-03	3.34E-03	4.17E-03
La+3, (MT)	5.00E-04	7.81E-04	7.81E-09	7.81E-04	7.80E-04	5.87E-04	7.81E-04	2.81E-04	1.93E-04	2.41E-04
Li+, (MT)	9.07E-03	1.42E-02	1.42E-07	1.42E-02	1.42E-02	1.07E-02	1.42E-02	5.09E-03	3.50E-03	4.38E-03
Mg+2, (MT)	3.63E-01	5.66E-01	5.66E-06	5.66E-01	5.66E-01	4.26E-01	5.66E-01	2.03E-01	1.40E-01	1.75E-01
MnO ₂ , (MT)	5.31E-02	8.30E-02	8.30E-07	8.29E-02	8.29E-02	6.24E-02	8.30E-02	2.98E-02	2.05E-02	2.57E-02
Mn+6, (MT)	6.68E+04	1.69E+05	1.69E+00	1.17E+05	5.96E+04	4.48E+04	1.04E+05	3.74E+04	1.47E+04	7.41E+04
Nat, (MT)	1.02E-02	1.59E-02	1.59E-07	1.59E-02	1.59E-02	1.19E-02	1.59E-02	5.70E-03	3.93E-03	4.91E-03
Ni+3, (MT)	5.77E-03	9.01E-03	9.01E-08	9.01E-03	9.00E-03	6.78E-03	9.01E-03	3.24E-03	2.23E-03	2.79E-03
NO ₂ -, (MT)	2.58E+05	5.91E+05	5.91E+00	4.49E+05	2.43E+05	1.83E+05	4.03E+05	1.45E+05	6.00E+04	2.75E+05
NO ₃ -, (MT)	7.92E-05	1.24E-04	1.24E-09	1.24E-04	1.24E-04	9.30E-05	1.24E-04	4.44E-05	3.06E-05	3.82E-05
Np+4, (MT)	1.42E-01	2.21E-01	2.21E-06	2.21E-01	2.21E-01	1.66E-01	2.21E-01	7.95E-02	5.47E-02	6.84E-02
OH-, (MT)	4.59E-02	7.17E-02	7.17E-07	7.17E-02	7.16E-02	5.39E-02	7.17E-02	2.58E-02	1.77E-02	2.22E-02
Hb+4, (MT)	8.25E+01	1.29E+02	1.29E-03	1.29E+02	1.29E+02	9.69E+01	1.29E+02	4.63E+01	3.19E+01	3.98E+01
FO ₄ -3, (MT)	2.38E-01	3.72E-01	3.72E-06	3.72E-01	3.72E-01	2.80E-01	3.72E-01	1.34E-01	9.20E-02	1.15E-01
Poly, (MT)	1.52E-04	2.38E-04	2.38E-09	2.38E-04	2.38E-04	1.79E-04	2.38E-04	8.55E-05	5.88E-05	7.36E-05
Ru+4, (MT)	1.00E-03	1.57E-03	1.57E-08	1.57E-03	1.57E-03	1.18E-03	1.57E-03	5.63E-04	3.87E-04	4.84E-04
Rb+, (MT)	7.79E-05	1.22E-04	1.22E-09	1.22E-04	1.22E-04	9.14E-05	1.22E-04	4.37E-05	3.01E-05	3.76E-05
Re+7, (MT)	2.34E-04	3.65E-04	3.65E-09	3.65E-04	3.65E-04	2.75E-04	3.65E-04	1.31E-04	9.02E-05	1.13E-04
Rh+3, (MT)	4.77E-04	7.45E-04	7.45E-08	7.45E-04	7.45E-04	5.61E-04	7.45E-04	2.68E-04	1.84E-04	2.30E-04
Sb+5, (MT)	1.06E-03	1.66E-03	1.66E-08	1.66E-03	1.66E-03	1.25E-03	1.66E-03	5.95E-04	4.10E-04	5.12E-04
Se+6, (MT)	9.03E-03	1.41E-02	1.41E-07	1.41E-02	1.41E-02	1.06E-02	1.41E-02	5.06E-03	3.48E-03	4.36E-03
Si+4, (MT)	2.20E-01	3.44E-01	3.44E-06	3.43E-01	3.43E-01	2.58E-01	3.44E-01	1.23E-01	8.49E-02	1.06E-01
Sm+3, (MT)	7.82E-06	1.22E-05	1.22E-10	1.22E-05	1.22E-05	9.18E-06	1.22E-05	4.38E-06	3.02E-06	3.77E-06
Sn+4, (MT)	8.10E-05	1.26E-04	1.26E-09	1.26E-04	1.26E-04	9.51E-05	1.26E-04	4.54E-05	3.13E-05	3.91E-05
SO ₄ -2, (MT)	3.22E+01	5.02E+01	5.02E-04	5.02E+01	5.02E+01	3.78E+01	5.02E+01	1.80E+01	1.24E+01	1.55E+01
Sr+2, (MT)	9.27E-03	1.45E-02	1.45E-07	1.45E-02	1.45E-02	1.09E-02	1.45E-02	5.20E-03	3.58E-03	4.47E-03
TcO ₄ -, (MT)	4.78E-02	7.46E-02	7.46E-06	7.46E-02	7.46E-02	5.61E-02	7.46E-02	2.68E-02	1.84E-02	2.31E-02
Tet+6, (MT)	1.04E-04	1.63E-04	1.63E-09	1.63E-04	1.63E-04	1.23E-04	1.63E-04	5.86E-05	4.03E-05	5.04E-05
Th+4, (MT)	3.80E-03	5.93E-03	5.93E-08	5.92E-03	5.92E-03	4.46E-03	5.93E-03	2.13E-03	1.47E-03	1.83E-03
Ti+4, (MT)	1.43E-04	2.24E-04	2.24E-09	2.24E-04	2.23E-04	1.68E-04	2.24E-04	8.03E-05	5.53E-05	6.91E-05
Tl+3, (MT)	5.26E-03	8.22E-03	8.22E-08	8.22E-03	8.22E-03	6.18E-03	8.22E-03	2.95E-03	2.03E-03	2.54E-03
TOC, (MT)	1.26E+01	1.96E+01	1.96E-03	1.96E+01	1.96E+01	1.48E+01	1.96E+01	7.05E+00	4.85E+00	6.07E+00
UD ₂ +2, (MT)	1.59E+00	2.48E+00	2.48E-05	2.48E+00	2.48E+00	1.87E+00	2.48E+00	8.91E-01	6.13E-01	7.76E-01
V+5, (MT)	1.58E-04	2.46E-04	2.46E-09	2.46E-04	2.46E-04	1.85E-04	2.46E-04	8.83E-05	6.08E-05	7.60E-05
WH ₆ , (MT)	5.27E-02	8.23E-02	8.23E-07	8.23E-02	8.23E-02	6.19E-02	8.23E-02	2.96E-02	2.04E-02	2.54E-02
Zn+2, (MT)	1.44E-02	2.24E-02	2.24E-07	2.24E-02	2.24E-02	1.68E-02	2.24E-02	8.05E-03	5.54E-03	6.92E-03
ZrO ₂ :2H ₂ O, (MT)	4.62E-01	7.21E-01	7.21E-06	7.21E-01	7.21E-01	5.42E-01	7.21E-01	2.59E-01	1.78E-01	2.23E-01

STREAM NAME	24	25	26	27	28	29	30	31	32	33
SOLID COMPONENTS										
Total Mass Flow, (MT)	5.70E+02	3.20E+02		1.95E+05	5.12E+05	3.82E+02	8.89E+02	3.19E+02	5.12E+05	5.12E+05
Al, (MT)	8.53E+00	4.81E+00		7.50E+00	7.67E+03	5.72E+00	1.33E+01	4.78E+00	7.67E+03	7.67E+03
Fe, (MT)	6.37E-06	5.58E-03		5.62E-03	5.72E-03	4.27E-06	9.94E-06	3.57E-06	5.72E-03	5.73E-03
Cr, (MT)	1.82E-06	1.02E-06		4.62E-04	1.63E-03	1.22E-06	2.83E-06	1.02E-06	1.63E-03	1.63E-03
Na, (MT)	1.22E+02	6.84E+01		5.27E+04	1.10E+05	8.18E+01	1.90E+02	6.84E+01	1.10E+05	1.10E+05
Si, (MT)	3.30E-05	2.95E-02		2.95E-02	2.96E-02	2.21E-05	5.15E-05	1.85E-05	2.96E-02	2.97E-02
P, (MT)	2.29E-05	2.63E-05		5.84E-03	2.06E-02	1.54E-05	3.57E-05	1.28E-05	2.06E-02	2.06E-02
NO ₂ - and NO ₃ -, (MT)	3.88E+02	2.18E+02		1.42E+05	3.49E+05	2.60E+02	6.05E+02	2.18E+02	3.48E+05	3.49E+05
Cs and Ba, (MT)	1.22E-06	6.82E-07		3.10E-04	1.09E-03	8.17E-07	1.90E-06	6.82E-07	1.09E-03	1.09E-03
Sr and Y, (MT)	2.96E-08	1.66E-08		7.54E-06	2.66E-05	1.99E-08	4.62E-08	1.66E-08	2.66E-05	2.66E-05
Tc, (MT)	4.20E-10	2.36E-10		1.07E-07	3.78E-07	2.82E-10	6.56E-10	2.36E-10	3.78E-07	3.78E-07
TRU, (MT)	1.32E-10	7.39E-11		3.36E-08	1.19E-07	8.86E-11	2.06E-10	7.39E-11	1.19E-07	1.19E-07
Total MCI	2.38E-06	1.33E-06		6.06E-04	2.14E-03	1.60E-06	3.71E-06	1.33E-06	2.14E-03	2.14E-03
Ag ⁺ , (MT)	4.73E-10	2.65E-10		1.21E-07	4.26E-07	3.18E-10	7.40E-10	2.65E-10	4.26E-07	4.26E-07
Al ³⁺ , (MT)	8.53E+00	4.78E+00		7.47E+00	7.67E+03	5.72E+00	1.33E+01	4.78E+00	7.67E+03	7.67E+03
Am ³⁺ , (MT)	2.99E-11	1.68E-11		7.62E-09	2.69E-08	2.01E-11	4.67E-11	1.68E-11	2.69E-08	2.69E-08
As ⁵⁺ , (MT)	2.63E-09	1.48E-09		6.71E-07	2.37E-06	1.77E-09	4.11E-09	1.48E-09	2.37E-06	2.37E-06
B ³⁺ , (MT)	1.54E-09	8.62E-10		3.92E-07	1.38E-06	1.03E-09	2.40E-09	8.62E-10	1.38E-06	1.38E-06
Ba ²⁺ , (MT)	4.37E-09	2.45E-09		1.11E-06	3.93E-06	2.93E-09	6.82E-09	2.45E-09	3.93E-06	3.93E-06
Be ²⁺ , (MT)	1.08E-11	6.06E-12		2.76E-09	9.74E-09	7.27E-12	1.69E-11	6.06E-12	9.73E-09	9.74E-09
Bi ³⁺ , (MT)	8.92E-07	5.00E-07		2.27E-04	8.02E-04	5.99E-07	1.39E-06	5.00E-07	8.02E-04	8.02E-04
Carbon-14, (MT)	1.50E-11	8.42E-12		3.83E-09	1.35E-08	1.01E-11	2.35E-11	8.42E-12	1.35E-08	1.35E-08
Ca ²⁺ , (MT)	1.62E-07	9.06E-08		4.12E-05	1.45E-04	1.08E-07	2.52E-07	9.06E-08	1.45E-04	1.45E-04
Cancrinite, (MT)	1.99E-04	1.79E-01		1.79E-01	1.79E-01	1.33E-04	3.10E-04	1.12E-04	1.79E-01	1.79E-01
Cd ²⁺ , (MT)	3.10E-08	1.74E-08		7.89E-06	2.79E-05	2.08E-08	4.84E-08	1.74E-08	2.78E-05	2.79E-05
Ce ³⁺ , (MT)	4.99E-08	2.80E-08		1.27E-05	4.48E-05	3.35E-08	7.78E-08	2.80E-08	4.48E-05	4.49E-05
Cl ⁻ , (MT)	6.63E-06	3.72E-06		1.69E-03	5.96E-03	4.45E-06	1.04E-05	3.72E-06	5.96E-03	5.96E-03
Cm ³⁺ , (MT)	7.43E-15	4.17E-15		1.89E-12	6.69E-12	5.00E-15	1.16E-14	4.17E-15	6.69E-12	6.69E-12
CO ₃ , (MT)	7.62E-10	4.27E-10		1.94E-07	6.85E-07	5.11E-10	1.19E-09	4.27E-10	6.84E-07	6.85E-07
CO ₃ -2, (MT)	1.31E-08	7.37E-09		3.35E-06	1.18E-05	8.81E-09	2.05E-08	7.37E-09	1.18E-05	1.18E-05
Cr ³⁺ , (MT)	1.82E-06	1.02E-06		4.62E-04	1.63E-03	1.22E-06	2.83E-06	1.02E-06	1.63E-03	1.63E-03
Cs ⁺ , (MT)	1.48E-08	8.31E-09		3.78E-06	1.33E-05	9.95E-09	2.31E-08	8.31E-09	1.33E-05	1.33E-05
Cur ²⁺ , (MT)	3.07E-09	1.72E-09		7.81E-07	2.76E-06	2.06E-09	4.79E-09	1.72E-09	2.76E-06	2.76E-06
F ⁻ , (MT)	1.52E-05	8.51E-06		3.87E-03	1.36E-02	1.02E-05	2.37E-05	8.51E-06	1.36E-02	1.37E-02
Fe ³⁺ , (MT)	1.57E-07	8.78E-08		3.99E-05	1.41E-04	1.05E-07	2.44E-07	8.78E-08	1.41E-04	1.41E-04
H ₂ O, (MT)	5.13E+01	2.88E+01		6.18E+01	4.61E+04	3.44E+01	8.01E+01	2.88E+01	4.61E+04	4.61E+04
Hg ²⁺ , (MT)	1.59E-08	8.89E-09		4.04E-06	1.43E-05	1.06E-08	2.48E-08	8.89E-09	1.43E-05	1.43E-05
I ⁻ , (MT)	3.19E-09	1.79E-09		8.12E-07	2.86E-06	2.14E-09	4.97E-09	1.79E-09	2.86E-06	2.87E-06
K ⁺ , (MT)	1.94E-05	1.09E-05		4.94E-03	1.74E-02	3.03E-05	1.09E-05	1.09E-05	1.74E-02	1.74E-02
La ³⁺ , (MT)	7.34E-09	4.11E-09		1.87E-06	6.60E-06	4.93E-09	1.15E-08	4.11E-09	6.59E-06	6.60E-06
Li ⁺ , (MT)	4.24E-10	2.38E-10		1.08E-07	3.82E-07	2.85E-10	6.62E-10	2.38E-10	3.82E-07	3.82E-07
Mg ²⁺ , (MT)	7.69E-09	4.32E-09		1.96E-06	6.92E-06	5.16E-09	1.20E-08	4.32E-09	6.91E-06	6.92E-06
MnO ₂ , (MT)	3.08E-07	1.73E-07		7.84E-05	2.77E-04	2.06E-07	4.80E-07	1.73E-07	2.76E-04	2.77E-04
Mo ⁶⁺ , (MT)	4.51E-08	2.53E-08		1.15E-05	4.05E-05	7.04E-08	2.53E-08	2.53E-08	4.05E-05	4.06E-05
Na ⁺ , (MT)	1.22E+02	6.84E+01		5.27E+04	1.10E+05	8.18E+01	1.90E+02	6.84E+01	1.10E+05	1.10E+05
Ni ³⁺ , (MT)	8.63E-09	4.84E-09		2.20E-06	7.76E-06	5.79E-09	1.35E-08	4.84E-09	7.76E-06	7.76E-06
Ni ₂ Fe ₂ ON ₆ , (MT)	3.66E-05	3.29E-02		3.29E-02	3.29E-02	2.46E-05	5.72E-05	2.05E-05	3.29E-02	3.29E-02
NO ₂ -, (MT)	4.90E-09	2.75E-09		1.25E-06	4.40E-06	3.29E-09	7.64E-09	2.75E-09	4.40E-06	4.40E-06
NO ₃ -, (MT)	3.88E+02	2.18E+02		1.42E+05	3.49E+05	2.60E+02	6.05E+02	2.18E+02	3.48E+05	3.49E+05
Np ⁴⁺ , (MT)	6.71E-11	3.76E-11		1.71E-08	6.04E-08	4.51E-11	1.05E-10	3.76E-11	6.04E-08	6.05E-08
OH ⁻ , (MT)	1.20E-07	6.75E-08		3.06E-05	1.08E-04	8.07E-08	1.88E-07	6.75E-08	1.08E-04	1.08E-04
P ₂ O ₅ ·24H ₂ O, (MT)	1.48E-06	1.33E-03		1.33E-03	1.33E-03	9.92E-07	2.31E-06	8.29E-07	1.33E-03	1.33E-03
Pb ⁴⁺ , (MT)	3.90E-08	2.19E-08		9.92E-06	3.50E-05	2.62E-08	6.08E-08	2.19E-08	3.50E-05	3.50E-05
PO ₄ -3, (MT)	7.00E-05	3.93E-05		1.78E-02	6.30E-02	4.70E-05	1.09E-04	3.93E-05	6.29E-02	6.30E-02
Poly, (MT)	4.54E-06	4.08E-03		4.08E-03	4.08E-03	3.05E-06	7.09E-06	2.55E-06	4.08E-03	4.09E-03
Ru ⁴⁺ , (MT)	1.29E-10	7.24E-11		3.29E-08	1.16E-07	8.68E-11	2.02E-10	7.24E-11	1.16E-07	1.16E-07
Rb ⁺ , (MT)	8.51E-10	4.77E-10		2.17E-07	7.65E-07	5.71E-10	1.33E-09	4.77E-10	7.65E-07	7.65E-07
Re ⁷⁺ , (MT)	6.60E-11	3.70E-11		1.68E-08	5.94E-08	4.44E-11	1.03E-10	3.70E-11	5.94E-08	5.94E-08
Rh ³⁺ , (MT)	1.98E-10	1.11E-10		5.05E-08	1.78E-07	1.33E-10	3.10E-10	1.11E-10	1.78E-07	1.78E-07
Ru ³⁺ , (MT)	4.05E-10	2.27E-10		1.03E-07	3.64E-07	2.72E-10	6.32E-10	2.27E-10	3.64E-07	3.64E-07
Sb ⁵⁺ , (MT)	9.00E-10	5.04E-10		2.29E-07	8.10E-07	6.05E-10	1.41E-09	5.04E-10	8.09E-07	8.10E-07
Se ⁶⁺ , (MT)	7.66E-09	4.30E-09		1.95E-06	6.89E-06	5.14E-09	1.20E-08	4.30E-09	6.88E-06	6.89E-06
Si ⁴⁺ , (MT)	1.87E-07	1.05E-07		4.76E-05	1.68E-04	1.25E-07	2.92E-07	1.05E-07	1.68E-04	1.68E-04
Sm ³⁺ , (MT)	6.63E-12	3.72E-12		1.69E-09	5.96E-09	4.45E-12	1.04E-11	3.72E-12	5.96E-09	5.97E-09
Sr ⁴⁺ , (MT)	6.86E-11	3.85E-11		1.75E-08	6.18E-08	4.61E-11	1.07E-10	3.85E-11	6.17E-08	6.18E-08
SO ₄ -2, (MT)	2.73E-05	1.53E-05		6.96E-03	2.46E-02	1.83E-05	4.26E-05	1.53E-05	2.45E-02	2.46E-02
St ²⁺ , (MT)	7.86E-09	4.41E-09		2.00E-06	7.07E-06	5.28E-09	1.23E-08	4.41E-09	7.07E-06	7.07E-06
TcO ₄ -, (MT)	4.06E-08	2.27E-08		1.03E-05	3.65E-05	2.72E-08	6.33E-08	2.27E-08	3.64E-05	3.65E-05
Te ⁶⁺ , (MT)	8.85E-11	4.96E-11		2.26E-08	7.97E-08	5.95E-11	1.38E-10	4.96E-11	7.96E-08	7.97E-08
Th ⁴⁺ , (MT)	3.22E-09	1.81E-09		8.21E-07	2.90E-06	2.16E-09	5.03E-09	1.81E-09	2.89E-06	2.90E-06
Ti ⁴⁺ , (MT)	1.21E-10	6.81E-11		3.10E-08	1.09E-07	8.16E-11	1.90E-10	6.81E-11	1.09E-07	1.09E-07
Tl ³⁺ , (MT)	4.47E-09	2.51E-09		1.14E-06	4.02E-06	3.00E-09	6.97E-09	2.51E-09	4.01E-06	4.02E-06
TCC, (MT)	1.07E-05	5.99E-06		2.72E-03	9.60E-03	7.16E-06	1.67E-05	5.99E-06	9.59E-03	9.60E-03
UO ₂ +2, (MT)	1.35E-06	7.56E-07		3.43E-04	1.21E-03	9.05E-07	2.10E-06	7.56E-07	1.21E-03	1.21E-03
V ⁵⁺ , (MT)	1.33E-10	7.48E-11		3.41E-08	1.20E-07	8.97E-11	2.09E-10	7.48E-11	1.20E-07	1.20E-07
W ⁶⁺ , (MT)	4.47E-08	2.51E-08		1.14E-05	4.02E-05	3.00E-08	6.98E-08	2.51E-08	4.02E-05	4.02E-05
Zn ²⁺ , (MT)	1.22E-08	6.83E-09		3.10E-06	1.10E-05	8.17E-09	1.90E-08	6.83E-09	1.10E-05	1.10E-05
ZrO ₂ ·2H ₂ O, (MT)	3.92E-07	2.20E-07		9.98E-05	3.52E-04	2.63E-07	6.12E-07	2.20E-07	3.52E-04	3.53E-04

STREAM NAME LIQUID COMPONENTS	34	35	36	37	38	41	42	43	44	45
Total Mass Flow, (MT)	5.06E+05	1.26E+05	6.32E+05	5.06E+05	1.26E+05	4.40E+05	1.03E+06	5.06E+05	1.25E+06	3.90E+05
Al, (MT)	8.69E+03	2.16E+03	9.89E+03	7.92E+03	1.97E+03		9.56E+03	7.68E+03	1.28E+04	1.28E+01
Fe, (MT)	7.64E-02	1.89E-02	2.38E-02	1.91E-02	4.73E-03		4.74E-04	4.72E-04	6.75E-04	6.48E-09
Cr, (MT)	8.27E-01	2.05E-01	2.58E-01	2.07E-01	5.13E-02		5.28E-03	5.25E-03	7.51E-03	7.51E-08
Na, (MT)	5.94E+04	1.47E+04	7.41E+04	5.93E+04	1.47E+04		1.24E+05	5.93E+04	1.50E+05	1.50E+00
Si, (MT)	8.51E-02	2.11E-02	2.65E-02	2.13E-02	5.27E-03		5.43E-04	5.40E-04	7.73E-04	7.73E-09
P, (MT)	1.04E+01	2.58E+00	3.25E+00	2.60E+00	6.46E-01		6.65E-02	6.61E-02	9.46E-02	9.46E-07
NO ₂ - and NO ₃ -, (MT)	2.20E+05	5.46E+04	2.68E+05	2.15E+05	5.33E+04		4.01E+05	2.13E+05	4.92E+05	4.92E+00
Cs and Ba, (MCl)	5.54E-01	1.38E-01	1.73E-01	1.39E-01	3.44E-02		3.54E-03	3.52E-03	5.04E-03	5.04E-07
Sr and Y, (MCl)	1.35E-02	3.34E-03	4.21E-03	3.37E-03	8.36E-04		8.60E-05	8.56E-05	1.23E-04	1.23E-09
Tc, (MCl)	1.92E-04	4.75E-05	5.97E-05	4.79E-05	1.19E-05		1.22E-06	1.22E-06	1.74E-06	1.74E-10
TRU, (MCl)	6.02E-05	1.49E-05	1.88E-05	1.50E-05	3.73E-06		3.84E-07	3.82E-07	5.46E-07	5.46E-12
Total MCl	1.08E+00	2.69E-01	3.38E-01	2.71E-01	6.71E-02		6.91E-03	6.88E-03	9.84E-03	5.77E-07
Ag+, (MT)	2.16E-04	5.36E-05	6.74E-05	5.40E-05	1.34E-05		1.38E-06	1.37E-06	1.96E-06	1.96E-11
Al+3, (MT)	8.69E+03	2.16E+03	9.89E+03	7.92E+03	1.97E+03		9.56E+03	7.68E+03	1.28E+04	1.28E-01
Al(OH) ₄ -, (MT)										
Am+3, (MT)	1.36E-05	3.38E-06	4.25E-06	3.41E-06	8.45E-07		8.70E-08	8.65E-08	1.24E-07	1.24E-12
As+5, (MT)	1.20E-03	2.98E-04	3.74E-04	3.00E-04	7.44E-05		7.66E-06	7.62E-06	1.09E-05	1.09E-10
B+3, (MT)	7.01E-04	1.74E-04	2.19E-04	1.75E-04	4.34E-05		4.47E-06	4.45E-06	6.37E-06	6.37E-11
Ba+2, (MT)	1.99E-03	4.94E-04	6.21E-04	4.98E-04	1.24E-04		1.27E-05	1.27E-05	1.81E-05	1.81E-10
Be+2, (MT)	4.94E-06	1.22E-06	1.54E-06	1.23E-06	3.06E-07		3.15E-08	3.13E-08	4.48E-08	4.48E-13
Bi+3, (MT)	4.07E-01	1.01E-01	1.27E-01	1.02E-01	2.52E-02		2.59E-03	2.58E-03	3.69E-03	3.69E-08
Carbon-14, (MT)	6.85E-06	1.70E-06	2.14E-06	1.71E-06	4.25E-07		4.37E-08	4.35E-08	6.22E-08	6.22E-12
Ca+2, (MT)	7.36E-02	1.83E-02	2.30E-02	1.84E-02	4.56E-03		4.70E-04	4.67E-04	6.69E-04	6.69E-09
Cd+2, (MT)	1.41E-02	3.50E-03	4.40E-03	3.53E-03	8.75E-04		9.01E-05	8.96E-05	1.28E-04	1.28E-09
Ce+3, (MT)	2.27E-02	5.64E-03	7.09E-03	5.68E-03	1.41E-03		1.45E-04	1.44E-04	2.06E-04	2.06E-09
Cl-, (MT)	3.02E+00	7.49E-01	9.42E-01	7.55E-01	1.87E-01		1.93E-02	1.92E-02	2.74E-02	2.74E-07
Cm+3, (MT)	3.39E-09	8.41E-10	1.06E-09	8.46E-10	2.10E-10		2.16E-11	2.14E-11	3.07E-11	3.07E-16
CO+3, (MT)	3.47E-04	8.61E-05	1.08E-04	8.68E-05	2.15E-05		2.22E-06	2.20E-06	3.15E-06	3.15E-11
CO ₂ , (MT)										
CO ₃ -2, (MT)	5.98E-03	1.48E-03	1.87E-03	1.50E-03	3.71E-04		3.82E-05	3.80E-05	5.44E-05	5.44E-10
Cr+3, (MT)	8.27E-01	2.05E-01	2.58E-01	2.07E-01	5.13E-02		5.28E-03	5.25E-03	7.51E-03	7.51E-08
Cr(OH) ₄ -, (MT)										
Cst-, (MT)	6.75E-03	1.68E-03	2.11E-03	1.69E-03	4.19E-04		4.31E-05	4.29E-05	6.13E-05	6.13E-09
Cr+2, (MT)	1.40E-03	3.47E-04	4.36E-04	3.49E-04	8.66E-05		8.92E-06	8.87E-06	1.27E-05	1.27E-10
F-, (MT)	6.92E+00	1.72E+00	2.16E+00	1.73E+00	4.29E-01		4.41E-02	4.39E-02	6.28E-02	6.28E-07
Fe+3, (MT)	7.14E-02	1.77E-02	2.23E-02	1.78E-02	4.42E-03		4.55E-04	4.53E-04	6.48E-04	6.48E-09
FeCN ₆ -3, (MT)	7.38E-03	1.83E-03	2.28E-03	1.83E-03	4.54E-04		2.79E-05	2.77E-05	3.97E-05	3.97E-10
Ht-, (MT)	1.28E-01	3.16E-02	3.95E-02	3.16E-02	7.84E-03		4.81E-04	4.79E-04	6.85E-04	6.85E-09
H ₂ O, (MT)	2.18E+05	5.40E+04	2.80E+05	2.24E+05	5.56E+04	4.40E+05	4.96E+05	2.26E+05	5.92E+05	3.90E+05
Hg+2, (MT)	7.23E-03	1.79E-03	2.25E-03	1.81E-03	4.48E-04		4.61E-05	4.59E-05	6.57E-05	6.57E-10
I-, (MT)	1.45E-03	3.60E-04	4.53E-04	3.63E-04	9.00E-05		9.26E-06	9.22E-06	1.32E-05	1.32E-09
K+, (MT)	8.84E+00	2.19E+00	2.76E+00	2.21E+00	5.48E-01		5.64E-02	5.61E-02	8.03E-02	8.03E-07
La+3, (MT)	3.34E-03	8.29E-04	1.04E-03	8.36E-04	2.07E-04		2.13E-05	2.12E-05	3.04E-05	3.04E-10
Li+, (MT)	1.93E-04	4.80E-05	6.03E-05	4.83E-05	1.20E-05		1.23E-06	1.23E-06	1.76E-06	1.76E-11
Mg+2, (MT)	3.51E-03	8.70E-04	1.09E-03	8.76E-04	2.17E-04		2.24E-05	2.23E-05	3.19E-05	3.19E-10
MnO ₂ , (MT)	1.40E-01	3.48E-02	4.37E-02	3.50E-02	8.69E-03		8.94E-04	8.90E-04	1.27E-03	1.27E-08
Mo+6, (MT)	2.06E-02	5.10E-03	6.41E-03	5.14E-03	1.27E-03		1.31E-04	1.31E-04	1.87E-04	1.87E-09
Na+, (MT)	5.94E+04	1.47E+04	7.41E+04	5.93E+04	1.47E+04		1.24E+05	5.93E+04	1.50E+05	1.50E+00
Ni+3, (MT)	3.93E-03	9.75E-04	1.23E-03	9.83E-04	2.44E-04		2.51E-05	2.50E-05	3.57E-05	3.57E-10
NO, (MT)										
NO ₂ -, (MT)	2.23E-03	5.53E-04	6.96E-04	5.58E-04	1.38E-04		1.42E-05	1.42E-05	2.03E-05	2.03E-10
NO ₃ -, (MT)	2.20E+05	5.46E+04	2.68E+05	2.15E+05	5.33E+04		4.01E+05	2.13E+05	4.92E+05	4.92E+00
Np+4, (MT)	3.06E-05	7.60E-06	9.55E-06	7.65E-06	1.90E-06		1.95E-07	1.94E-07	2.78E-07	2.78E-12
OH-, (MT)	5.48E-02	1.36E-02	1.71E-02	1.37E-02	3.40E-03		3.50E-04	3.48E-04	4.98E-04	4.98E-09
Pb+4, (MT)	1.78E-02	4.40E-03	5.54E-03	4.44E-03	1.10E-03		1.13E-04	1.13E-04	1.61E-04	1.61E-09
FO ₄ -3, (MT)	3.19E+01	7.91E+00	9.95E+00	7.98E+00	1.98E+00		2.04E-01	2.03E-01	2.90E-01	2.90E-06
Poly, (MT)	9.20E-02	2.28E-02	2.85E-02	2.28E-02	5.66E-03		3.47E-04	3.46E-04	4.95E-04	4.95E-09
Ru+4, (MT)	5.89E-05	1.46E-05	1.84E-05	1.47E-05	3.65E-06		3.76E-07	3.74E-07	5.35E-07	5.35E-12
Rb+, (MT)	3.88E-04	9.62E-05	1.21E-04	9.69E-05	2.40E-05		2.47E-06	2.46E-06	3.52E-06	3.52E-11
Ra+7, (MT)	3.01E-05	7.47E-06	9.39E-06	7.53E-06	1.87E-06		1.92E-07	1.91E-07	2.74E-07	2.74E-12
Rh+3, (MT)	9.04E-05	2.24E-05	2.82E-05	2.26E-05	5.60E-06		5.77E-07	5.74E-07	8.21E-07	8.21E-12
Ru+3, (MT)	1.85E-04	4.58E-05	5.76E-05	4.61E-05	1.14E-05		1.18E-06	1.17E-06	1.68E-06	1.68E-10
Sb+5, (MT)	4.11E-04	1.02E-04	1.28E-04	1.03E-04	2.54E-05		2.62E-06	2.61E-06	3.73E-06	3.73E-11
Se+6, (MT)	3.49E-03	8.66E-04	1.09E-03	8.72E-04	2.16E-04		2.23E-05	2.22E-05	3.17E-05	3.17E-10
Si+4, (MT)	8.51E-02	2.11E-02	2.65E-02	2.13E-02	5.27E-03		5.43E-04	5.40E-04	7.73E-04	7.73E-09
Sn+3, (MT)	3.02E-06	7.50E-07	9.43E-07	7.55E-07	1.87E-07		1.93E-08	1.92E-08	2.75E-08	2.75E-13
Sn+4, (MT)	3.13E-05	7.77E-06	9.77E-06	7.83E-06	1.94E-06		2.00E-07	1.99E-07	2.85E-07	2.85E-12
SO ₄ -2, (MT)	1.24E+01	3.09E+00	3.88E+00	3.11E+00	7.71E-01		7.94E-02	7.90E-02	1.13E-01	1.13E-06
Str+2, (MT)	3.58E-03	8.89E-04	1.12E-03	8.96E-04	2.22E-04		2.29E-05	2.28E-05	3.26E-05	3.26E-10
TcO ₄ -, (MT)	1.85E-02	4.58E-03	5.76E-03	4.62E-03	1.15E-03		1.18E-04	1.17E-04	1.68E-04	1.68E-08
Te+6, (MT)	4.04E-05	1.00E-05	1.26E-05	1.01E-05	2.50E-06		2.58E-07	2.56E-07	3.67E-07	3.67E-12
Th+4, (MT)	1.47E-03	3.64E-04	4.58E-04	3.67E-04	9.10E-05		9.36E-06	9.32E-06	1.33E-05	1.33E-10
Ti+4, (MT)	5.54E-05	1.37E-05	1.73E-05	1.38E-05	3.43E-06		3.53E-07	3.52E-07	5.03E-07	5.03E-12
Tl+3, (MT)	2.04E-03	5.05E-04	6.35E-04	5.09E-04	1.26E-04		1.30E-05	1.29E-05	1.85E-05	1.85E-10
TCC, (MT)	4.86E+00	1.21E+00	1.52E+00	1.22E+00	3.01E-01		3.10E-02	3.09E-02	4.42E-02	4.42E-06
UO ₂ +2, (MT)	6.14E-01	1.52E-01	1.92E-01	1.54E-01	3.81E-02		3.92E-03	3.90E-03	5.58E-03	5.58E-08
V+5, (MT)	6.09E-05	1.51E-05	1.90E-05	1.52E-05	3.78E-06		3.89E-07	3.87E-07	5.53E-07	5.53E-12
W+6, (MT)	2.04E-02	5.06E-03	6.36E-03	5.09E-03	1.26E-03		1.30E-04	1.29E-04	1.85E-04	1.85E-09
Zn+2, (MT)	5.55E-03	1.38E-03	1.73E-03	1.39E-03	3.44E-04		3.54E-05	3.52E-05	5.04E-05	5.04E-10
ZrO ₂ :2H ₂ O, (MT)	1.79E-01	4.43E-02	5.57E-02	4.46E-02	1.11E-02		1.14E-03	1.13E-03	1.62E-03	1.62E-08

STREAM NAME SOLID COMPONENTS	34	35	36	37	38	41	42	43	44	45
Total Mass Flow, (MT)	5.07E+02	5.12E+05	5.12E+05	5.07E+02	5.12E+05		4.61E+04	5.07E+02	4.63E+04	
Al, (MT)	7.59E+00	7.66E+03	7.67E+03	7.59E+00	7.66E+03		2.83E-02	3.18E+00	1.38E+00	
Fe, (MT)	5.66E-06	5.72E-03	5.73E-03	5.67E-06	5.72E-03		5.58E-03	6.25E-06	5.58E-03	
Cr, (MT)	1.62E-06	1.63E-03	1.63E-03	1.62E-06	1.63E-03			4.02E-09	1.71E-09	
Na, (MT)	1.09E+02	1.10E+05	1.10E+05	1.09E+02	1.10E+05		3.04E-02	1.11E+02	4.73E+01	
Si, (MT)	2.93E-05	2.96E-02	2.97E-02	2.93E-05	2.96E-02		2.95E-02	3.30E-05	2.95E-02	
P, (MT)	2.04E-05	2.06E-02	2.06E-02	2.04E-05	2.06E-02		1.35E-05	6.58E-08	1.35E-05	
NO ₂ - and NO ₃ -, (MT)	3.45E+02	3.48E+05	3.49E+05	3.45E+02	3.48E+05			3.22E+02	1.37E+02	
Cs and Ba, (MCl)	1.08E-06	1.09E-03	1.09E-03	1.08E-06	1.09E-03			2.69E-09	1.15E-09	
Sr and Y, (MCl)	2.63E-08	2.66E-05	2.66E-05	2.63E-08	2.66E-05			6.55E-11	2.79E-11	
Tc, (MCl)	3.74E-10	3.78E-07	3.78E-07	3.74E-10	3.78E-07			9.29E-13	3.96E-13	
TRU, (MCl)	1.18E-10	1.19E-07	1.19E-07	1.17E-10	1.19E-07			2.92E-13	1.24E-13	
Total MCl	2.12E-06	2.14E-03	2.14E-03	2.12E-06	2.14E-03			5.26E-09	2.24E-09	
Ag ⁺ , (MT)	4.22E-10	4.26E-07	4.26E-07	4.21E-10	4.26E-07			1.05E-12	4.46E-13	
Al ³⁺ , (MT)	7.59E+00	7.66E+03	7.67E+03	7.59E+00	7.66E+03			3.18E+00	1.38E+00	
Am ³⁺ , (MT)	2.66E-11	2.69E-08	2.69E-08	2.66E-11	2.69E-08			6.61E-14	2.82E-14	
As ⁵⁺ , (MT)	2.34E-09	2.37E-06	2.37E-06	2.34E-09	2.37E-06			5.83E-12	2.48E-12	
B ³⁺ , (MT)	1.37E-09	1.38E-06	1.38E-06	1.37E-09	1.38E-06			3.40E-12	1.45E-12	
Ba ²⁺ , (MT)	3.89E-09	3.93E-06	3.93E-06	3.89E-09	3.93E-06			9.67E-12	4.12E-12	
Be ²⁺ , (MT)	9.63E-12	9.73E-09	9.74E-09	9.62E-12	9.73E-09			2.39E-14	1.02E-14	
Bi ³⁺ , (MT)	7.94E-07	8.02E-04	8.02E-04	7.94E-07	8.02E-04			1.98E-09	8.40E-10	
Carbon-14, (MT)	1.34E-11	1.35E-08	1.35E-08	1.34E-11	1.35E-08			3.32E-14	1.42E-14	
Ca ²⁺ , (MT)	1.44E-07	1.45E-04	1.45E-04	1.44E-07	1.45E-04			3.58E-10	1.52E-10	
Cancrinite, (MT)	1.77E-04	1.79E-01	1.79E-01	1.77E-04	1.79E-01		1.79E-01	2.00E-04	1.79E-01	
Cd ²⁺ , (MT)	2.76E-08	2.78E-05	2.79E-05	2.76E-08	2.78E-05			6.85E-11	2.92E-11	
Ce ³⁺ , (MT)	4.44E-08	4.48E-05	4.49E-05	4.44E-08	4.48E-05			1.10E-10	4.70E-11	
Cl ⁻ , (MT)	5.90E-06	5.96E-03	5.96E-03	5.90E-06	5.96E-03			1.47E-08	6.26E-09	
Cl ³⁺ , (MT)	6.62E-15	6.69E-12	6.69E-12	6.61E-15	6.69E-12			6.13E-28	7.01E-30	
CO ³⁺ , (MT)	6.78E-10	6.84E-07	6.85E-07	6.78E-10	6.84E-07			1.69E-12	7.18E-13	
CO ₃ -2, (MT)	1.17E-08	1.18E-05	1.18E-05	1.17E-08	1.18E-05			2.91E-11	1.24E-11	
Cr ³⁺ , (MT)	1.62E-06	1.63E-03	1.63E-03	1.62E-06	1.63E-03			4.02E-09	1.71E-09	
Cst, (MT)	1.32E-08	1.33E-05	1.33E-05	1.32E-08	1.33E-05			3.28E-11	1.40E-11	
Cu ²⁺ , (MT)	2.73E-09	2.76E-06	2.76E-06	2.73E-09	2.76E-06			6.78E-12	2.89E-12	
F ⁻ , (MT)	1.35E-05	1.36E-02	1.37E-02	1.35E-05	1.36E-02			3.36E-08	1.43E-08	
Fe ³⁺ , (MT)	1.39E-07	1.41E-04	1.41E-04	1.39E-07	1.41E-04			3.47E-10	1.48E-10	
H ₂ O, (MT)	4.56E+01	4.61E+04	4.61E+04	4.56E+01	4.61E+04		4.61E+04	7.09E+01	4.61E+04	
Hg ²⁺ , (MT)	1.41E-08	1.43E-05	1.43E-05	1.41E-08	1.43E-05			3.51E-11	1.49E-11	
I ⁻ , (MT)	2.84E-09	2.86E-06	2.87E-06	2.83E-09	2.86E-06			7.05E-12	3.00E-12	
K ⁺ , (MT)	1.73E-05	1.74E-02	1.74E-02	1.73E-05	1.74E-02			4.30E-08	1.83E-08	
La ³⁺ , (MT)	6.53E-09	6.59E-06	6.60E-06	6.53E-09	6.59E-06			1.62E-11	6.92E-12	
Li ⁺ , (MT)	3.78E-10	3.81E-07	3.82E-07	3.78E-10	3.81E-07			9.39E-13	4.00E-13	
Mg ²⁺ , (MT)	6.85E-09	6.91E-06	6.92E-06	6.85E-09	6.91E-06			1.70E-11	7.25E-12	
MnO ₂ , (MT)	2.74E-07	2.76E-04	2.77E-04	2.74E-07	2.76E-04			6.81E-10	2.90E-10	
Mn ²⁺ , (MT)	4.01E-08	4.05E-05	4.06E-05	4.01E-08	4.05E-05			9.97E-11	4.25E-11	
Nat, (MT)	1.09E+02	1.10E+05	1.10E+05	1.09E+02	1.10E+05			1.11E+02	4.73E+01	
Ni ³⁺ , (MT)	7.68E-09	7.75E-06	7.76E-06	7.68E-09	7.75E-06			1.91E-11	8.13E-12	
Ni ₂ FeO ₆ , (MT)	3.26E-05	3.29E-02	3.29E-02	3.26E-05	3.29E-02		3.29E-02	3.69E-05	3.29E-02	
NO ₂ -, (MT)	4.36E-09	4.40E-06	4.40E-06	4.36E-09	4.40E-06			1.09E-11	4.62E-12	
NO ₃ -, (MT)	3.45E+02	3.48E+05	3.49E+05	3.45E+02	3.48E+05			3.22E+02	1.37E+02	
Np ⁴⁺ , (MT)	5.98E-11	6.04E-08	6.05E-08	5.97E-11	6.04E-08			1.49E-13	6.33E-14	
OH ⁻ , (MT)	1.07E-07	1.08E-04	1.08E-04	1.07E-07	1.08E-04			2.67E-10	1.14E-10	
P ₂ O ₅ :24H ₂ O, (MT)	1.32E-06	1.33E-03	1.33E-03	1.32E-06	1.33E-03		1.33E-03	1.49E-06	1.33E-03	
Rb ⁴⁺ , (MT)	3.47E-08	3.50E-05	3.50E-05	3.47E-08	3.50E-05			8.62E-11	3.67E-11	
PO ₄ -3, (MT)	6.23E-05	6.29E-02	6.30E-02	6.23E-05	6.29E-02			1.55E-07	6.61E-08	
Poly, (MT)	4.04E-06	4.08E-03	4.09E-03	4.04E-06	4.08E-03		4.08E-03	4.57E-06	4.08E-03	
Ru ⁴⁺ , (MT)	1.15E-10	1.16E-07	1.16E-07	1.15E-10	1.16E-07			2.86E-13	1.22E-13	
Rb ⁺ , (MT)	7.57E-10	7.65E-07	7.65E-07	7.57E-10	7.65E-07			1.88E-12	8.02E-13	
Re ⁷⁺ , (MT)	5.88E-11	5.94E-08	5.94E-08	5.87E-11	5.94E-08			1.46E-13	6.22E-14	
Rh ³⁺ , (MT)	1.77E-10	1.78E-07	1.78E-07	1.76E-10	1.78E-07			4.39E-13	1.87E-13	
Ru ³⁺ , (MT)	3.61E-10	3.64E-07	3.64E-07	3.60E-10	3.64E-07			8.96E-13	3.82E-13	
Sb ⁵⁺ , (MT)	8.01E-10	8.09E-07	8.10E-07	8.01E-10	8.09E-07			1.99E-12	8.49E-13	
Se ⁶⁺ , (MT)	6.82E-09	6.88E-06	6.89E-06	6.82E-09	6.88E-06			1.69E-11	7.21E-12	
Si ⁴⁺ , (MT)	1.66E-07	1.68E-04	1.68E-04	1.66E-07	1.68E-04			4.14E-10	1.76E-10	
Sm ³⁺ , (MT)	5.90E-12	5.96E-09	5.97E-09	5.90E-12	5.96E-09			1.47E-14	6.25E-15	
Sr ⁴⁺ , (MT)	6.11E-11	6.17E-08	6.18E-08	6.10E-11	6.17E-08			1.52E-13	6.47E-14	
SO ₄ -2, (MT)	2.43E-05	2.45E-02	2.46E-02	2.43E-05	2.45E-02			6.05E-08	2.58E-08	
Sn ²⁺ , (MT)	7.00E-09	7.07E-06	7.07E-06	7.00E-09	7.07E-06			1.74E-11	7.41E-12	
TcO ₄ -, (MT)	3.61E-08	3.64E-05	3.65E-05	3.61E-08	3.64E-05			8.97E-11	3.82E-11	
Te ⁶⁺ , (MT)	7.86E-11	7.96E-08	7.97E-08	7.87E-11	7.96E-08			1.96E-13	8.34E-14	
Th ⁴⁺ , (MT)	2.87E-09	2.89E-06	2.90E-06	2.86E-09	2.89E-06			7.13E-12	3.04E-12	
Ti ⁴⁺ , (MT)	1.08E-10	1.09E-07	1.09E-07	1.08E-10	1.09E-07			2.69E-13	1.15E-13	
Tl ³⁺ , (MT)	3.98E-09	4.01E-06	4.02E-06	3.97E-09	4.01E-06			9.88E-12	4.21E-12	
TOC, (MT)	9.50E-06	9.59E-03	9.60E-03	9.50E-06	9.59E-03			2.37E-08	1.01E-08	
UO ₂ +2, (MT)	1.20E-06	1.21E-03	1.21E-03	1.20E-06	1.21E-03			2.99E-09	1.27E-09	
V ⁵⁺ , (MT)	1.19E-10	1.20E-07	1.20E-07	1.19E-10	1.20E-07			2.96E-13	1.26E-13	
W ⁶⁺ , (MT)	3.98E-08	4.02E-05	4.02E-05	3.98E-08	4.02E-05			9.89E-11	4.21E-11	
Zn ²⁺ , (MT)	1.08E-08	1.09E-05	1.10E-05	1.08E-08	1.09E-05			2.69E-11	1.15E-11	
ZrO ₂ :2H ₂ O, (MT)	3.49E-07	3.52E-04	3.53E-04	3.49E-07	3.52E-04			8.68E-10	3.69E-10	

STREAM NAME	46	47	48	49	50	51	52	53	54	55
LIQUID COMPONENTS										
Total Mass Flow, (MT)	6.68E+05	4.51E+05	3.40E+05	7.22E+05	2.16E+05	1.11E+05	4.93E+05	3.82E+05	1.11E+05	4.93E+05
Al, (MT)	1.28E+04	9.99E+03	7.53E+03	1.09E+04	3.27E+03	2.46E+03	4.40E+03	3.41E+03	9.90E+02	2.51E+03
Fe, (MT)	6.75E-04	6.75E-04	5.09E-04	6.73E-04	2.01E-04	1.66E-04	2.12E-04	1.64E-04	4.76E-05	5.90E-05
Cr, (MT)	7.51E-03	7.51E-03	5.66E-03	7.49E-03	2.24E-03	1.85E-03	2.36E-03	1.83E-03	5.30E-04	6.56E-04
Na, (MT)	9.86E+04	5.04E+04	3.80E+04	8.46E+04	2.53E+04	1.24E+04	6.01E+04	4.66E+04	1.35E+04	6.16E+04
Si, (MT)	7.73E-04	7.73E-04	5.83E-04	7.70E-04	2.30E-04	1.90E-04	2.43E-04	1.88E-04	5.45E-05	6.75E-05
P, (MT)	9.46E-02	9.46E-02	7.13E-02	9.43E-02	2.82E-02	2.33E-02	2.97E-02	2.30E-02	6.68E-03	8.27E-03
NO ₂ - and NO ₃ -, (MT)	3.55E+05	2.05E+05	1.55E+05	3.04E+05	9.07E+04	5.04E+04	1.93E+05	1.49E+05	4.33E+04	1.83E+05
Cs and Ba, (MCl)	5.03E-03	5.03E-03	3.79E-03	5.02E-03	1.50E-03	1.24E-03	1.58E-03	1.22E-03	3.55E-04	4.40E-04
Sr and Y, (MCl)	1.23E-04	1.22E-04	9.23E-05	1.22E-04	3.65E-05	3.01E-05	3.84E-05	2.98E-05	8.64E-06	1.07E-05
Tc, (MCl)	1.74E-06	1.74E-06	1.31E-06	1.73E-06	5.18E-07	4.28E-07	5.46E-07	4.23E-07	1.23E-07	1.52E-07
TRU, (MCl)	5.46E-07	5.46E-07	4.12E-07	5.45E-07	1.63E-07	1.34E-07	1.71E-07	1.33E-07	3.86E-08	4.77E-08
Total MCl	9.83E-03	9.83E-03	7.41E-03	9.81E-03	2.93E-03	2.42E-03	3.09E-03	2.39E-03	6.94E-04	8.60E-04
Ag+, (MT)	1.96E-06	1.96E-06	1.48E-06	1.96E-06	5.84E-07	4.83E-07	6.15E-07	4.77E-07	1.38E-07	1.71E-07
Al+3, (MT)	1.28E+04	9.99E+03	7.53E+03	1.09E+04	3.27E+03	2.46E+03	4.40E+03	3.41E+03	9.90E+02	2.51E+03
Al(OH) ₄ -, (MT)										
Am+3, (MT)	1.24E-07	1.24E-07	9.33E-08	1.23E-07	3.69E-08	3.05E-08	3.88E-08	3.01E-08	8.74E-09	1.08E-08
As+5, (MT)	1.09E-05	1.09E-05	8.22E-06	1.09E-05	3.25E-06	2.68E-06	3.42E-06	2.65E-06	7.70E-07	9.53E-07
B+3, (MT)	6.36E-06	6.36E-06	4.80E-06	6.34E-06	1.90E-06	1.57E-06	2.00E-06	1.55E-06	4.49E-07	5.56E-07
Bat+2, (MT)	1.81E-05	1.81E-05	1.36E-05	1.80E-05	5.39E-06	4.45E-06	5.68E-06	4.40E-06	1.28E-06	1.58E-06
Be+2, (MT)	4.48E-08	4.48E-08	3.38E-08	4.47E-08	1.33E-08	1.10E-08	1.41E-08	1.09E-08	3.16E-09	3.92E-09
Bi+3, (MT)	3.69E-03	3.69E-03	2.78E-03	3.68E-03	1.10E-03	9.08E-04	1.16E-03	8.98E-04	2.61E-04	3.23E-04
Carbon-14, (MT)	6.22E-08	6.22E-08	4.69E-08	6.20E-08	1.85E-08	1.53E-08	1.95E-08	1.51E-08	4.39E-09	5.44E-09
Ca+2, (MT)	6.69E-04	6.68E-04	5.04E-04	6.66E-04	1.99E-04	1.65E-04	2.10E-04	1.63E-04	4.72E-05	5.84E-05
Cd+2, (MT)	1.28E-04	1.28E-04	9.67E-05	1.28E-04	3.82E-05	3.16E-05	4.02E-05	3.12E-05	9.05E-06	1.12E-05
Ce+3, (MT)	2.06E-04	2.06E-04	1.56E-04	2.06E-04	6.14E-05	5.08E-05	6.48E-05	5.02E-05	1.46E-05	1.80E-05
Cl-, (MT)	2.74E-02	2.74E-02	2.07E-02	2.74E-02	8.17E-03	6.75E-03	8.61E-03	6.67E-03	1.94E-03	2.40E-03
Cm+3, (MT)	3.07E-11	3.07E-11	2.31E-11	3.05E-11	9.10E-12	7.55E-12	9.55E-12	7.40E-12	2.15E-12	2.59E-12
Co+3, (MT)	3.15E-06	3.15E-06	2.38E-06	3.14E-06	9.39E-07	7.76E-07	9.89E-07	7.67E-07	2.23E-07	2.76E-07
Co ₂ , (MT)										
Co ₃ -2, (MT)	5.43E-05	5.43E-05	4.10E-05	5.42E-05	1.62E-05	1.34E-05	1.71E-05	1.32E-05	3.84E-06	4.75E-06
Cr+3, (MT)	7.51E-03	7.51E-03	5.66E-03	7.49E-03	2.24E-03	1.85E-03	2.36E-03	1.83E-03	5.30E-04	6.56E-04
Cr(OH) ₄ -, (MT)										
Cs+, (MT)	6.13E-05	6.13E-05	4.62E-05	6.11E-05	1.83E-05	1.51E-05	1.92E-05	1.49E-05	4.33E-06	5.36E-06
Cu+2, (MT)	1.27E-05	1.27E-05	9.57E-06	1.27E-05	3.78E-06	3.12E-06	3.98E-06	3.09E-06	8.96E-07	1.11E-06
F-, (MT)	6.28E-02	6.28E-02	4.73E-02	6.26E-02	1.87E-02	1.55E-02	1.97E-02	1.53E-02	4.43E-03	5.49E-03
Fe+3, (MT)	6.48E-04	6.48E-04	4.88E-04	6.46E-04	1.93E-04	1.59E-04	2.03E-04	1.58E-04	4.57E-05	5.66E-05
FeCN ₆ -3, (MT)	3.97E-05	3.97E-05	2.99E-05	3.96E-05	1.18E-05	9.76E-06	1.24E-05	9.64E-06	2.80E-06	3.46E-06
Hf, (MT)	6.85E-04	6.85E-04	5.17E-04	6.83E-04	2.04E-04	1.69E-04	2.15E-04	1.67E-04	4.84E-05	5.97E-05
H ₂ O, (MT)	2.02E+05	1.85E+05	1.40E+05	3.23E+05	9.64E+04	4.56E+04	2.36E+05	1.83E+05	5.31E+04	2.46E+05
Hg+2, (MT)	6.56E-05	6.56E-05	4.95E-05	6.54E-05	1.95E-05	1.62E-05	2.06E-05	1.60E-05	4.63E-06	5.74E-06
I-, (MT)	1.32E-05	1.32E-05	9.94E-06	1.31E-05	3.92E-06	3.24E-06	4.14E-06	3.21E-06	9.30E-07	1.15E-06
K+, (MT)	8.03E-02	8.02E-02	6.05E-02	8.00E-02	2.39E-02	1.97E-02	2.52E-02	1.95E-02	5.66E-03	7.01E-03
La+3, (MT)	3.04E-05	3.04E-05	2.29E-05	3.03E-05	9.04E-06	7.47E-06	9.53E-06	7.38E-06	2.14E-06	2.55E-06
Li+, (MT)	1.76E-06	1.76E-06	1.32E-06	1.75E-06	5.23E-07	4.32E-07	5.51E-07	4.27E-07	1.24E-07	1.54E-07
Mg+2, (MT)	3.18E-05	3.18E-05	2.40E-05	3.17E-05	9.48E-06	7.83E-06	9.99E-06	7.74E-06	2.25E-06	2.78E-06
MnO ₂ , (MT)	1.27E-03	1.27E-03	9.59E-04	1.27E-03	3.79E-04	3.13E-04	3.99E-04	3.10E-04	8.98E-05	1.11E-04
Mn+6, (MT)	1.87E-04	1.87E-04	1.41E-04	1.86E-04	5.56E-05	4.59E-05	5.86E-05	4.54E-05	1.32E-05	1.63E-05
Na+, (MT)	9.86E+04	5.04E+04	3.80E+04	8.46E+04	2.53E+04	1.24E+04	6.01E+04	4.66E+04	1.35E+04	6.16E+04
Ni+3, (MT)	3.57E-05	3.57E-05	2.69E-05	3.56E-05	1.06E-05	8.79E-06	1.12E-05	8.69E-06	2.52E-06	3.12E-06
NO, (MT)										
NO ₂ -, (MT)	2.03E-05	2.03E-05	1.53E-05	2.02E-05	6.04E-06	4.99E-06	6.36E-06	4.93E-06	1.43E-06	1.77E-06
NO ₃ -, (MT)	3.55E+05	2.05E+05	1.55E+05	3.04E+05	9.07E+04	5.04E+04	1.93E+05	1.49E+05	4.33E+04	1.83E+05
Np+4, (MT)	2.78E-07	2.78E-07	2.10E-07	2.77E-07	8.28E-08	6.84E-08	8.73E-08	6.76E-08	1.88E-08	2.43E-08
OH-, (MT)	4.98E-04	4.98E-04	3.75E-04	4.96E-04	1.48E-04	1.23E-04	1.56E-04	1.21E-04	3.51E-05	4.35E-05
Hb+4, (MT)	1.61E-04	1.61E-04	1.22E-04	1.61E-04	4.80E-05	3.97E-05	5.06E-05	3.92E-05	1.14E-05	1.41E-05
FO ₄ -3, (MT)	2.90E-01	2.90E-01	2.18E-01	2.89E-01	8.63E-02	7.13E-02	9.09E-02	7.05E-02	2.05E-02	2.53E-02
Poly, (MT)	4.95E-04	4.95E-04	3.73E-04	4.93E-04	1.47E-04	1.22E-04	1.55E-04	1.20E-04	3.49E-05	4.31E-05
Ru+4, (MT)	5.35E-07	5.35E-07	4.03E-07	5.34E-07	1.59E-07	1.32E-07	1.68E-07	1.30E-07	3.78E-08	4.68E-08
Rb+, (MT)	3.52E-06	3.52E-06	2.66E-06	3.51E-06	1.05E-06	8.67E-07	1.11E-06	8.57E-07	2.49E-07	3.08E-07
Re+7, (MT)	2.74E-07	2.73E-07	2.06E-07	2.73E-07	8.14E-08	6.73E-08	8.58E-08	6.65E-08	1.93E-08	2.39E-08
Rh+3, (MT)	8.21E-07	8.21E-07	6.19E-07	8.18E-07	2.44E-07	2.02E-07	2.58E-07	2.00E-07	5.79E-08	7.17E-08
Ru+3, (MT)	1.68E-06	1.68E-06	1.26E-06	1.67E-06	4.99E-07	4.12E-07	5.26E-07	4.08E-07	1.18E-07	1.47E-07
Sb+5, (MT)	3.73E-06	3.73E-06	2.81E-06	3.72E-06	1.11E-06	9.17E-07	1.17E-06	9.06E-07	2.63E-07	3.26E-07
Se+6, (MT)	3.17E-05	3.17E-05	2.39E-05	3.16E-05	9.44E-06	7.80E-06	9.95E-06	7.71E-06	2.24E-06	2.77E-06
Si+4, (MT)	7.73E-04	7.73E-04	5.83E-04	7.70E-04	2.30E-04	1.90E-04	2.43E-04	1.88E-04	5.45E-05	6.75E-05
Sn+3, (MT)	2.75E-08	2.74E-08	2.07E-08	2.74E-08	8.17E-09	6.75E-09	8.61E-09	6.67E-09	1.94E-09	2.40E-09
Sn+4, (MT)	2.84E-07	2.84E-07	2.14E-07	2.84E-07	8.47E-08	7.00E-08	8.92E-08	6.92E-08	2.01E-08	2.49E-08
SO ₄ -2, (MT)	1.13E-01	1.13E-01	8.52E-02	1.13E-01	3.36E-02	2.78E-02	3.55E-02	2.75E-02	7.97E-03	9.87E-03
Sr+2, (MT)	3.26E-05	3.25E-05	2.45E-05	3.24E-05	9.69E-06	8.01E-06	1.02E-05	7.91E-06	2.30E-06	2.84E-06
TiO ₄ -, (MT)	1.68E-04	1.68E-04	1.27E-04	1.67E-04	5.00E-05	4.13E-05	5.26E-05	4.08E-05	1.18E-05	1.47E-05
Te+6, (MT)	3.67E-07	3.67E-07	2.76E-07	3.66E-07	1.09E-07	9.02E-08	1.15E-07	8.92E-08	2.59E-08	3.20E-08
Th+4, (MT)	1.33E-05	1.33E-05	1.01E-05	1.33E-05	3.97E-06	3.28E-06	4.18E-06	3.24E-06	9.41E-07	1.17E-06
Ti+4, (MT)	5.03E-07	5.03E-07	3.79E-07	5.01E-07	1.50E-07	1.24E-07	1.58E-07	1.22E-07	3.55E-08	4.39E-08
Tl+3, (MT)	1.85E-05	1.85E-05	1.39E-05	1.84E-05	5.50E-06	4.55E-06	5.80E-06	4.50E-06	1.31E-06	1.62E-06
UO ₂ , (MT)	4.42E-02	4.41E-02	3.33E-02	4.40E-02	1.32E-02	1.09E-02	1.39E-02	1.07E-02	3.12E-03	3.86E-03
UO ₂ +2, (MT)	5.58E-03	5.58E-03	4.21E-03	5.56E-03	1.66E-03	1.37E-03	1.75E-03	1.36E-03	3.94E-04	4.77E-04
V+5, (MT)	5.53E-07	5.53E-07	4.17E-07	5.52E-07	1.65E-07	1.36E-07	1.74E-07	1.35E-07	3.90E-08	4.83E-08
W+6, (MT)	1.85E-04	1.85E-04	1.40E-04	1.85E-04	5.51E-05	4.56E-05	5.81E-05	4.50E-05	1.31E-05	1.62E-05
Zn+2, (MT)	5.04E-05	5.04E-05	3.80E-05	5.02E-05	1.50E-05	1.24E-05	1.58E-05	1.23E-05	3.56E-06	4.40E-06
ZrO ₂ :2H ₂ O, (MT)	1.62E-03	1.62E-03	1.22E-03	1.62E-03	4.83E-04	3.99E-04	5.09E-04	3.94E-04	1.15E-04	1.42E-04

STREAM NAME	46	47	48	49	50	51	52	53	54	55
SOLID COMPONENTS										
Total Mass Flow, (MT)	2.35E+05	4.52E+05	3.40E+02	7.23E+02	2.16E+02	4.52E+05	4.52E+05	3.83E+02	4.52E+05	4.52E+05
Al, (MT)	4.03E+00	2.84E+03	2.13E+00	4.53E+00	1.35E+00	2.84E+03	2.84E+03	2.40E+00	2.84E+03	2.84E+03
Fe, (MT)	5.58E-03	5.58E-03	4.20E-06	8.92E-06	2.66E-06	5.58E-03	5.58E-03	4.72E-06	5.58E-03	5.59E-03
Cr, (MT)	1.55E-06	3.59E-06	2.70E-09	5.74E-09	1.71E-09	3.59E-06	3.59E-06	3.04E-09	3.59E-06	3.59E-06
Na, (MT)	5.10E+04	9.92E+04	7.46E+01	1.58E+02	4.73E+01	9.91E+04	9.92E+04	8.38E+01	9.91E+04	9.92E+04
Si, (MT)	2.95E-02	2.95E-02	2.22E-05	4.71E-05	1.41E-05	2.95E-02	2.95E-02	2.49E-05	2.95E-02	2.95E-02
P, (MT)	3.30E-05	5.87E-05	4.41E-08	9.38E-08	2.80E-08	5.87E-05	5.87E-05	4.96E-08	5.87E-05	5.87E-05
NO ₂ - and NO ₃ -, (MT)	1.38E+05	2.87E+05	2.16E+02	4.59E+02	1.37E+02	2.87E+05	2.87E+05	2.43E+02	2.87E+05	2.87E+05
Cs and Ba, (MCI)	1.04E-06	2.41E-06	1.81E-09	3.85E-09	1.15E-09	2.41E-06	2.41E-06	2.04E-09	2.41E-06	2.41E-06
Sr and Y, (MCI)	2.53E-08	5.86E-08	4.40E-11	9.35E-11	2.79E-11	5.85E-08	5.86E-08	4.95E-11	5.85E-08	5.86E-08
Tc, (MCI)	3.59E-10	8.32E-10	6.25E-13	1.33E-12	3.96E-13	8.31E-10	8.32E-10	7.03E-13	8.31E-10	8.32E-10
TRU, (MCI)	1.13E-10	2.61E-10	1.96E-13	4.17E-13	1.24E-13	2.61E-10	2.61E-10	2.21E-13	2.61E-10	2.61E-10
Total MCI	2.03E-06	4.70E-06	3.54E-09	7.51E-09	2.24E-09	4.70E-06	4.70E-06	3.98E-09	4.70E-06	4.70E-06
Ag+, (MT)	4.05E-10	9.38E-10	7.05E-13	1.50E-12	4.46E-13	9.37E-10	9.38E-10	7.93E-13	9.37E-10	9.38E-10
Al+3, (MT)	4.00E+00	2.84E+03	2.13E+00	4.53E+00	1.35E+00	2.84E+03	2.84E+03	2.40E+00	2.84E+03	2.84E+03
Am+3, (MT)	2.56E-11	5.92E-11	4.45E-14	9.45E-14	2.82E-14	5.91E-11	5.92E-11	5.00E-14	5.91E-11	5.92E-11
As+5, (MT)	2.25E-09	5.21E-09	3.92E-12	8.33E-12	2.48E-12	5.21E-09	5.21E-09	4.41E-12	5.21E-09	5.21E-09
B+3, (MT)	1.32E-09	3.04E-09	2.29E-12	4.86E-12	1.45E-12	3.04E-09	3.04E-09	2.57E-12	3.04E-09	3.04E-09
Ba+2, (MT)	3.74E-09	8.65E-09	6.51E-12	1.38E-11	4.12E-12	8.65E-09	8.65E-09	7.32E-12	8.65E-09	8.65E-09
Be+2, (MT)	9.25E-12	2.14E-11	1.61E-14	3.42E-14	1.02E-14	2.14E-11	2.14E-11	1.81E-14	2.14E-11	2.14E-11
Bi+3, (MT)	7.63E-07	1.77E-06	1.33E-09	2.82E-09	8.40E-10	1.76E-06	1.77E-06	1.49E-09	1.76E-06	1.77E-06
Carbon-14, (MT)	1.28E-11	2.97E-11	2.24E-14	4.75E-14	1.42E-14	2.97E-11	2.97E-11	2.52E-14	2.97E-11	2.97E-11
Cat+2, (MT)	1.38E-07	3.20E-07	2.40E-10	5.11E-10	1.52E-10	3.19E-07	3.20E-07	2.70E-10	3.19E-07	3.20E-07
Canconite, (MT)	1.79E-01	1.79E-01	1.34E-04	2.85E-04	8.52E-05	1.79E-01	1.79E-01	1.51E-04	1.79E-01	1.79E-01
Cd+2, (MT)	2.65E-08	6.13E-08	4.61E-11	9.79E-11	2.92E-11	6.13E-08	6.13E-08	5.19E-11	6.13E-08	6.13E-08
Ce+3, (MT)	4.26E-08	9.87E-08	7.42E-11	1.55E-10	4.70E-11	9.86E-08	9.87E-08	8.34E-11	9.86E-08	9.87E-08
Cl-, (MT)	5.67E-06	1.31E-05	9.86E-09	2.10E-08	6.26E-09	1.31E-05	1.31E-05	1.11E-08	1.31E-05	1.31E-05
Cm+3, (MT)				4.31E-32	7.01E-30		4.59E-29	3.88E-32	4.59E-29	1.57E-28
CO+3, (MT)	6.51E-10	1.51E-09	1.13E-12	2.41E-12	7.18E-13	1.51E-09	1.51E-09	1.28E-12	1.51E-09	1.51E-09
CO ₃ -2, (MT)	1.12E-08	2.60E-08	1.95E-11	4.15E-11	1.24E-11	2.60E-08	2.60E-08	2.20E-11	2.60E-08	2.60E-08
Cr+3, (MT)	1.55E-06	3.59E-06	2.70E-09	5.74E-09	1.71E-09	3.59E-06	3.59E-06	3.04E-09	3.59E-06	3.59E-06
Cs+, (MT)	1.27E-08	2.93E-08	2.21E-11	4.68E-11	1.40E-11	2.93E-08	2.93E-08	2.48E-11	2.93E-08	2.93E-08
Cu+2, (MT)	2.62E-09	6.07E-09	4.56E-12	9.69E-12	2.89E-12	6.07E-09	6.07E-09	5.13E-12	6.07E-09	6.07E-09
F-, (MT)	1.30E-05	3.00E-05	2.26E-08	4.80E-08	1.43E-08	3.00E-05	3.00E-05	2.54E-08	3.00E-05	3.00E-05
Fe+3, (MT)	1.34E-07	3.10E-07	2.33E-10	4.95E-10	1.48E-10	3.10E-07	3.10E-07	2.62E-10	3.10E-07	3.10E-07
H ₂ O, (MT)	4.62E+04	6.33E+04	4.76E+01	1.01E+02	3.02E+01	6.33E+04	6.33E+04	5.35E+01	6.33E+04	6.33E+04
Hg+2, (MT)	1.36E-08	3.14E-08	2.36E-11	5.01E-11	1.49E-11	3.14E-08	3.14E-08	2.65E-11	3.14E-08	3.14E-08
I-, (MT)	2.72E-09	6.30E-09	4.74E-12	1.01E-11	3.00E-12	6.30E-09	6.30E-09	5.33E-12	6.30E-09	6.30E-09
K+, (MT)	1.66E-05	3.84E-05	2.89E-08	6.13E-08	1.83E-08	3.84E-05	3.84E-05	3.25E-08	3.84E-05	3.84E-05
La+3, (MT)	6.27E-09	1.45E-08	1.09E-11	2.32E-11	6.92E-12	1.45E-08	1.45E-08	1.23E-11	1.45E-08	1.45E-08
Li+, (MT)	3.63E-10	8.40E-10	6.31E-13	1.34E-12	4.00E-13	8.39E-10	8.40E-10	7.10E-13	8.39E-10	8.40E-10
Mg+2, (MT)	6.58E-09	1.52E-08	1.15E-11	2.43E-11	7.25E-12	1.52E-08	1.52E-08	1.29E-11	1.52E-08	1.52E-08
MnO ₂ , (MT)	2.63E-07	6.09E-07	4.58E-10	9.72E-10	2.90E-10	6.08E-07	6.09E-07	5.15E-10	6.08E-07	6.09E-07
Mn+6, (MT)	3.86E-08	8.92E-08	6.71E-11	1.43E-10	4.25E-11	8.92E-08	8.92E-08	7.55E-11	8.92E-08	8.92E-08
Nat, (MT)	5.10E+04	9.92E+04	7.46E+01	1.58E+02	4.73E+01	9.91E+04	9.92E+04	8.38E+01	9.91E+04	9.92E+04
Ni+3, (MT)	7.38E-09	1.71E-08	1.28E-11	2.73E-11	8.13E-12	1.71E-08	1.71E-08	1.44E-11	1.71E-08	1.71E-08
Ni ₂ Fe ₂ CN ₆ , (MT)	3.29E-02	3.29E-02	2.48E-05	5.26E-05	1.57E-05	3.29E-02	3.29E-02	2.78E-05	3.29E-02	3.29E-02
NO ₂ -, (MT)	4.19E-09	9.69E-09	7.29E-12	1.55E-11	4.62E-12	9.69E-09	9.69E-09	8.20E-12	9.69E-09	9.69E-09
NO ₃ -, (MT)	1.38E+05	2.87E+05	2.16E+02	4.59E+02	1.37E+02	2.87E+05	2.87E+05	2.43E+02	2.87E+05	2.87E+05
Np+4, (MT)	5.74E-11	1.33E-10	1.00E-13	2.12E-13	6.33E-14	1.33E-10	1.33E-10	1.12E-13	1.33E-10	1.33E-10
OH-, (MT)	1.03E-07	2.38E-07	1.79E-10	3.80E-10	1.14E-10	2.38E-07	2.38E-07	2.01E-10	2.38E-07	2.38E-07
P ₂ O ₅ :24H ₂ O, (MT)	1.33E-03	1.33E-03	9.99E-07	2.12E-06	6.34E-07	1.33E-03	1.33E-03	1.12E-06	1.33E-03	1.33E-03
Pb+4, (MT)	3.33E-08	7.71E-08	5.80E-11	1.23E-10	3.67E-11	7.70E-08	7.71E-08	6.52E-11	7.70E-08	7.71E-08
PO ₄ -3, (MT)	5.99E-05	1.39E-04	1.04E-07	2.21E-07	6.61E-08	1.39E-04	1.39E-04	1.17E-07	1.39E-04	1.39E-04
Poly, (MT)	4.08E-03	4.08E-03	3.07E-06	6.52E-06	1.95E-06	4.08E-03	4.08E-03	3.45E-06	4.08E-03	4.09E-03
Ru+4, (MT)	1.10E-10	2.56E-10	1.92E-13	4.09E-13	1.22E-13	2.56E-10	2.56E-10	2.16E-13	2.56E-10	2.56E-10
Rb+, (MT)	7.28E-10	1.68E-09	1.27E-12	2.69E-12	8.02E-13	1.68E-09	1.68E-09	1.42E-12	1.68E-09	1.68E-09
Re+7, (MT)	5.64E-11	1.31E-10	9.83E-14	2.09E-13	6.22E-14	1.31E-10	1.31E-10	1.11E-13	1.31E-10	1.31E-10
Rh+3, (MT)	1.69E-10	3.92E-10	2.95E-13	6.27E-13	1.87E-13	3.92E-10	3.92E-10	3.32E-13	3.92E-10	3.92E-10
Ru+3, (MT)	3.46E-10	8.02E-10	6.03E-13	1.28E-12	3.82E-13	8.01E-10	8.02E-10	6.78E-13	8.01E-10	8.02E-10
Sb+5, (MT)	7.70E-10	1.78E-09	1.34E-12	2.85E-12	8.49E-13	1.78E-09	1.78E-09	1.51E-12	1.78E-09	1.78E-09
Se+6, (MT)	6.55E-09	1.52E-08	1.14E-11	2.42E-11	7.21E-12	1.52E-08	1.52E-08	1.28E-11	1.52E-08	1.52E-08
Si+4, (MT)	1.60E-07	3.70E-07	2.78E-10	5.90E-10	1.76E-10	3.69E-07	3.70E-07	3.13E-10	3.69E-07	3.70E-07
Sm+3, (MT)	5.67E-12	1.31E-11	9.86E-15	2.10E-14	6.25E-15	1.31E-11	1.31E-11	1.11E-14	1.31E-11	1.31E-11
Sn+4, (MT)	5.87E-11	1.36E-10	1.02E-13	2.17E-13	6.47E-14	1.36E-10	1.36E-10	1.15E-13	1.36E-10	1.36E-10
SO ₄ -2, (MT)	2.33E-05	5.40E-05	4.06E-08	8.63E-08	2.58E-08	5.40E-05	5.40E-05	4.57E-08	5.40E-05	5.40E-05
Str+2, (MT)	6.72E-09	1.56E-08	1.17E-11	2.49E-11	7.41E-12	1.56E-08	1.56E-08	1.32E-11	1.56E-08	1.56E-08
ToO ₄ -, (MT)	3.47E-08	8.02E-08	6.03E-11	1.28E-10	3.82E-11	8.02E-08	8.02E-08	6.78E-11	8.02E-08	8.02E-08
Te+6, (MT)	7.57E-11	1.75E-10	1.32E-13	2.80E-13	8.34E-14	1.75E-10	1.75E-10	1.48E-13	1.75E-10	1.75E-10
Th+4, (MT)	2.75E-09	6.37E-09	4.79E-12	1.02E-11	3.04E-12	6.37E-09	6.38E-09	5.39E-12	6.37E-09	6.37E-09
Ti+4, (MT)	1.04E-10	2.41E-10	1.81E-13	3.84E-13	1.15E-13	2.40E-10	2.41E-10	2.03E-13	2.40E-10	2.41E-10
Tl+3, (MT)	3.82E-09	8.84E-09	6.65E-12	1.41E-11	4.21E-12	8.83E-09	8.84E-09	7.48E-12	8.83E-09	8.84E-09
TCC, (MT)	9.12E-06	2.11E-05	1.59E-08	3.37E-08	1.01E-08	2.11E-05	2.11E-05	1.79E-08	2.11E-05	2.11E-05
UC ₂ +2, (MT)	1.15E-06	2.67E-06	2.01E-09	4.26E-09	1.27E-09	2.67E-06	2.67E-06	2.26E-09	2.67E-06	2.67E-06
VH ₅ , (MT)	1.14E-10	2.65E-10	1.99E-13	4.23E-13	1.26E-13	2.64E-10	2.65E-10	2.24E-13	2.64E-10	2.65E-10
W+6, (MT)	3.83E-08	8.85E-08	6.66E-11	1.41E-10	4.21E-11	8.85E-08	8.85E-08	7.49E-11	8.85E-08	8.85E-08
Zn+2, (MT)	1.04E-08	2.41E-08	1.81E-11	3.85E-11	1.15E-11	2.41E-08	2.41E-08	2.04E-11	2.41E-08	2.41E-08
ZrO ₂ :2H ₂ O, (MT)	3.35E-07	7.76E-07	5.83E-10	1.24E-09	3.69E-10	7.75E-07	7.76E-07	6.56E-10	7.75E-07	7.76E-07

STREAM NAME	56	57	58	59	60	61	62	63	64	65
LIQUID COMPONENTS										
Total Mass Flow, (MT)	3.82E+05	1.11E+05	6.95E+04	5.32E+04	1.72E+05	3.94E+05	4.88E+03	9.96E+04	5.69E+05	1.40E+05
Al, (MT)	1.94E+03	5.64E+02	2.76E+02	2.11E+02		2.23E+03		2.23E+03	1.14E+04	2.80E+03
Fe, (MT)	4.57E-05	1.33E-05	2.06E-06	1.58E-06		1.71E-06		9.89E+00	3.74E+00	9.21E-01
Cr, (MT)	5.09E-04	1.48E-04	2.30E-05	1.76E-05		1.91E-05		1.32E+02	4.95E+01	1.22E+01
Na, (MT)	4.77E+04	1.38E+04	8.73E+03	6.68E+03		4.96E+04	1.40E+03	6.68E+04	1.65E+04	
Si, (MT)	5.23E-05	1.52E-05	2.36E-06	1.81E-06		1.97E-06		1.34E+01	5.01E+00	1.23E+00
P, (MT)	6.41E-03	1.86E-03	2.89E-04	2.21E-04		2.41E-04		1.67E+03	6.24E+02	1.54E+02
NO ₂ - and NO ₃ -, (MT)	1.42E+05	4.12E+04	2.55E+04	1.95E+04		1.44E+05		3.54E+04	2.55E+05	6.29E+04
Cs and Ba, (MCi)	3.41E-04	9.89E-05	1.54E-05	1.18E-05		1.28E-05		8.87E+01	3.32E+01	8.18E+00
Sr and Y, (MCi)	8.29E-06	2.41E-06	3.74E-07	2.86E-07		3.12E-07		1.41E+00	5.39E-01	1.33E-01
Tc, (MCi)	1.18E-07	3.42E-08	5.32E-09	4.07E-09		4.43E-09		3.06E-02	1.15E-02	2.82E-03
TRU, (MCi)	3.70E-08	1.07E-08	1.67E-09	1.22E-09		1.39E-09		8.57E-03	3.23E-03	7.94E-04
Total MCi	6.66E-04	1.93E-04	3.01E-05	2.30E-05		2.50E-05		1.46E+02	5.49E+01	1.35E+01
Ag+, (MT)	1.33E-07	3.86E-08	6.00E-09	4.59E-09		4.99E-09		3.24E-02	1.22E-02	2.99E-03
Al ³⁺ , (MT)	1.94E+03	5.64E+02	2.76E+02	2.11E+02		1.44E+03		2.23E+03	1.14E+04	2.80E+03
Al(OH) ₄ -, (MT)										
Am ³⁺ , (MT)	8.38E-09	2.43E-09	3.78E-10	2.89E-10		3.14E-10		1.96E-03	7.38E-04	1.82E-04
As ⁵⁺ , (MT)	7.38E-07	2.14E-07	3.33E-08	2.55E-08		2.78E-08		1.79E-01	7.07E-02	1.74E-02
B ³⁺ , (MT)	4.31E-07	1.25E-07	1.95E-08	1.49E-08		1.62E-08		9.88E-02	3.72E-02	9.16E-03
Bat ₂ , (MT)	1.23E-06	3.56E-07	5.53E-08	4.23E-08		4.61E-08		3.08E-01	1.15E-01	2.84E-02
Bat ₂ , (MT)	3.03E-09	8.81E-10	1.37E-10	1.05E-10		1.14E-10		7.40E-04	2.78E-04	6.84E-05
Bi ³⁺ , (MT)	2.50E-04	7.26E-05	1.13E-05	8.63E-06		9.40E-06		6.40E+01	2.40E+01	5.91E+00
Carbon-14, (MT)	4.21E-09	1.22E-09	1.90E-10	1.46E-10		1.58E-10		1.10E-03	4.11E-04	1.01E-04
Cat ₂ , (MT)	4.53E-05	1.31E-05	2.04E-06	1.56E-06		1.70E-06		1.10E+01	4.11E+00	1.01E+00
Cd ₂ , (MT)	8.68E-06	2.52E-06	3.92E-07	3.00E-07		3.26E-07		2.22E+00	8.30E-01	2.04E-01
Cet ₃ , (MT)	1.40E-05	4.06E-06	6.31E-07	4.83E-07		5.25E-07		2.37E+00	9.06E-01	2.23E-01
Cl-, (MT)	1.86E-03	5.39E-04	8.38E-05	6.42E-05		6.98E-05		4.84E+02	1.81E+02	4.46E+01
Cm ³⁺ , (MT)	2.00E-12	5.82E-13	8.01E-14	6.13E-14		1.31E-25		4.17E-07	1.58E-07	3.89E-08
Co ³⁺ , (MT)	2.14E-07	6.20E-08	9.64E-09	7.37E-09		8.02E-09		5.14E-02	1.93E-02	4.76E-03
CO ₂ , (MT)										
CO ₃ -2, (MT)	3.68E-06	1.07E-06	1.66E-07	1.27E-07		1.38E-07		1.15E-02	1.87E-02	4.60E-03
Cr ³⁺ , (MT)	5.09E-04	1.48E-04	2.30E-05	1.76E-05		1.91E-05		1.32E+02	4.95E+01	1.22E+01
Cr(OH) ₄ -, (MT)										
Cst+, (MT)	4.15E-06	1.21E-06	1.87E-07	1.43E-07		1.56E-07		1.08E+00	4.05E-01	9.96E-02
Cut ₂ , (MT)	8.60E-07	2.50E-07	3.88E-08	2.97E-08		3.23E-08		2.20E-01	8.23E-02	2.03E-02
F-, (MT)	4.25E-03	1.23E-03	1.92E-04	1.47E-04		1.60E-04		1.11E+03	4.14E+02	1.02E+02
Fe ³⁺ , (MT)	4.39E-05	1.27E-05	1.98E-06	1.52E-06		1.65E-06		7.50E+00	2.87E+00	7.06E-01
FeCN ₆ -3, (MT)	2.68E-06	7.77E-07	1.20E-07	9.15E-08		9.15E-08		3.51E+00	1.28E+00	3.15E-01
H+, (MT)	4.63E-05	1.34E-05	2.07E-06	1.58E-06		1.58E-06		2.21E+01	5.45E+00	1.35E+00
H ₂ O, (MT)	1.90E+05	5.52E+04	3.50E+04	2.68E+04	1.72E+05	1.99E+05	2.44E+03	3.80E+04	2.31E+05	5.69E+04
Hg ₂ , (MT)	4.44E-06	1.29E-06	2.01E-07	1.54E-07		1.67E-07		1.16E+00	4.33E-01	1.07E-01
I-, (MT)	8.93E-07	2.59E-07	4.03E-08	3.08E-08		3.36E-08		2.32E-01	8.70E-02	2.14E-02
K+, (MT)	5.44E-03	1.58E-03	2.45E-04	1.88E-04		2.04E-04		1.42E+03	5.30E+02	1.30E+02
La ³⁺ , (MT)	2.06E-06	5.97E-07	9.28E-08	7.10E-08		7.73E-08		3.27E-01	1.26E-01	3.09E-02
Li+, (MT)	1.19E-07	3.45E-08	5.37E-09	4.11E-09		4.47E-09		3.08E-02	1.15E-02	2.84E-03
Mg ₂ , (MT)	2.16E-06	6.26E-07	9.73E-08	7.45E-08		8.11E-08		5.35E-01	2.01E-01	4.94E-02
MnO ₂ , (MT)	8.62E-05	2.50E-05	3.89E-06	2.98E-06		3.24E-06		2.14E+01	8.03E+00	1.98E+00
Mb ₆ , (MT)	1.26E-05	3.67E-06	5.70E-07	4.36E-07		4.75E-07		3.26E+00	1.22E+00	3.01E-01
Nat, (MT)	4.77E+04	1.38E+04	8.73E+03	6.68E+03		4.96E+04	1.40E+03	1.26E+04	6.68E+04	1.65E+04
Ni ³⁺ , (MT)	2.42E-06	7.02E-07	1.09E-07	8.35E-08		9.09E-08		5.76E-01	2.16E-01	5.33E-02
NO, (MT)										
NO ₂ -, (MT)	1.37E-06	3.98E-07	6.20E-08	4.74E-08		5.16E-08		4.30E-03	6.97E-03	1.72E-03
NO ₃ -, (MT)	1.42E+05	4.12E+04	2.55E+04	1.95E+04		1.44E+05		3.54E+04	2.55E+05	6.29E+04
Np ⁴⁺ , (MT)	1.88E-08	5.47E-09	8.50E-10	6.50E-10		7.05E-10		4.67E-03	1.75E-03	4.31E-04
OH-, (MT)	3.37E-05	9.79E-06	1.52E-06	1.16E-06		1.27E-06	1.04E+03	1.20E+01	1.71E-01	4.22E-02
Rb ⁴⁺ , (MT)	1.09E-05	3.17E-06	4.93E-07	3.77E-07		4.10E-07		2.68E+00	1.01E+00	2.48E-01
FO ₄ -3, (MT)	1.96E-02	5.70E-03	8.86E-04	6.78E-04		7.38E-04		5.11E+03	1.91E+03	4.71E+02
Poly, (MT)	3.34E-05	9.70E-06	1.49E-06	1.14E-06		1.14E-06		4.38E+01	1.60E+01	3.93E+00
Rut ₄ , (MT)	3.62E-08	1.05E-08	1.64E-09	1.25E-09		1.36E-09		8.09E-03	3.05E-03	7.51E-04
Rbt, (MT)	2.39E-07	6.92E-08	1.08E-08	8.24E-09		8.96E-09		6.21E-02	2.32E-02	5.72E-03
Rer ₇ , (MT)	1.85E-08	5.38E-09	8.36E-10	6.40E-10		6.95E-10		4.61E-03	1.73E-03	4.26E-04
Rhr ₃ , (MT)	5.56E-08	1.61E-08	2.51E-09	1.92E-09		2.09E-09		1.22E-02	4.58E-03	1.13E-03
Rut ₃ , (MT)	1.14E-07	3.30E-08	5.12E-09	3.92E-09		4.27E-09		2.67E-02	1.00E-02	2.47E-03
Sb ⁵⁺ , (MT)	2.52E-07	7.33E-08	1.14E-08	8.72E-09		9.49E-09		5.59E-02	2.11E-02	5.19E-03
Set ₆ , (MT)	2.15E-06	6.23E-07	9.69E-08	7.41E-08		8.07E-08		5.49E-01	2.06E-01	5.06E-02
Si ⁴⁺ , (MT)	5.23E-05	1.52E-05	2.36E-06	1.81E-06		1.97E-06		1.34E+01	5.01E+00	1.23E+00
Sm ³⁺ , (MT)	1.86E-09	5.39E-10	8.38E-11	6.41E-11		6.96E-11		3.11E-04	1.19E-04	2.93E-05
Srt ₄ , (MT)	1.93E-08	5.59E-09	8.69E-10	6.65E-10		7.23E-10		4.93E-03	1.85E-03	4.55E-04
SO ₄ -2, (MT)	7.65E-03	2.22E-03	3.45E-04	2.64E-04		2.88E-04		1.99E+03	7.46E+02	1.84E+02
Srt ₂ , (MT)	2.20E-06	6.40E-07	9.95E-08	7.61E-08		8.28E-08		3.74E-01	1.43E-01	3.53E-02
TcO ₄ -, (MT)	1.14E-05	3.30E-06	5.13E-07	3.92E-07		4.27E-07		2.95E+00	1.11E+00	2.72E-01
Tet ₆ , (MT)	2.48E-08	7.21E-09	1.12E-09	8.57E-10		9.32E-10		5.13E-03	1.94E-03	4.78E-04
Tht ₄ , (MT)	9.03E-07	2.62E-07	4.07E-08	3.12E-08		3.39E-08		1.62E-01	6.17E-02	1.52E-02
Ti ⁴⁺ , (MT)	3.41E-08	9.89E-09	1.54E-09	1.18E-09		1.28E-09		6.49E-03	2.47E-03	6.07E-04
Tl ³⁺ , (MT)	1.25E-06	3.63E-07	5.65E-08	4.32E-08		4.71E-08		2.98E-01	1.12E-01	2.76E-02
TCC, (MT)	2.99E-03	8.68E-04	1.35E-04	1.03E-04		1.12E-04		7.78E+02	2.91E+02	7.18E+01
UC ₂ +2, (MT)	3.78E-04	1.10E-04	1.71E-05	1.31E-05		1.42E-05		9.05E+01	3.40E+01	8.37E+00
V ⁴⁺ , (MT)	3.75E-08	1.09E-08	1.69E-09	1.29E-09		1.41E-09		9.54E-03	3.58E-03	8.80E-04
W ⁶⁺ , (MT)	1.25E-05	3.64E-06	5.66E-07	4.33E-07		4.71E-07		3.26E+00	1.22E+00	3.01E-01
Zn ²⁺ , (MT)	3.41E-06	9.90E-07	1.54E-07	1.18E-07		1.28E-07		8.80E-01	3.30E-01	8.12E-02
ZrO ₂ .2H ₂ O, (MT)	1.10E-04	3.19E-05	4.96E-06	3.79E-06		4.13E-06		2.34E+01	8.83E+00	2.17E+00

STREAM NAME	56	57	58	59	60	61	62	63	64	65
SOLID COMPONENTS										
Total Mass Flow, (MT)	3.83E+02	4.52E+05	2.83E+05	2.17E+05		4.83E+04		9.48E+01	5.70E+02	5.71E+05
Al, (MT)	2.40E+00	2.84E+03	1.61E+03	1.23E+03		2.16E-02		1.72E+00	1.04E+01	1.04E+04
Fe, (MT)	4.72E-06	5.58E-03	5.57E-03	4.27E-03		4.27E-03		1.89E-05	1.14E-04	1.14E-01
Cr, (MT)	3.04E-09	3.59E-06	2.03E-06	1.56E-06				1.78E-04	1.07E-03	1.07E+00
Na, (MT)	8.38E+01	9.91E+04	5.61E+04	4.29E+04		2.32E-02		1.91E+01	1.15E+02	1.15E+05
Si, (MT)	2.49E-05	2.95E-02	2.94E-02	2.25E-02		2.25E-02		2.34E-05	1.40E-04	1.41E-01
P, (MT)	4.96E-08	5.87E-05	3.90E-05	2.99E-05		1.03E-05		2.24E-03	1.35E-02	1.35E+01
NO ₂ - and NO ₃ -, (MT)	2.43E+02	2.87E+05	1.62E+05	1.24E+05				6.35E+01	3.82E+02	3.83E+05
Cs and Ba, (MCi)	2.03E-09	2.41E-06	1.36E-06	1.04E-06				1.19E-04	7.17E-04	7.19E-01
Sr and Y, (MCi)	4.94E-11	5.85E-08	3.31E-08	2.53E-08				3.41E-06	2.05E-05	2.06E-02
Tc, (MCi)	7.01E-13	8.31E-10	4.70E-10	3.60E-10				4.12E-08	2.48E-07	2.48E-04
TRU, (MCi)	2.20E-13	2.61E-10	1.48E-10	1.13E-10				1.37E-08	8.21E-08	8.23E-05
Total MCi	3.97E-09	4.70E-06	2.66E-06	2.04E-06				2.52E-04	1.51E-03	1.52E+00
Ag+, (MT)	7.91E-13	9.37E-10	5.31E-10	4.06E-10				4.80E-08	2.88E-07	2.89E-04
Al+3, (MT)	2.40E+00	2.84E+03	1.61E+03	1.23E+03				1.72E+00	1.04E+01	1.04E+04
Am+3, (MT)	4.99E-14	5.91E-11	3.35E-11	2.56E-11				3.08E-09	1.85E-08	1.86E-05
As+5, (MT)	4.40E-12	5.21E-09	2.95E-09	2.26E-09				2.61E-07	1.57E-06	1.57E-03
B+3, (MT)	2.57E-12	3.04E-09	1.72E-09	1.32E-09				1.60E-07	9.60E-07	9.63E-04
Ba+2, (MT)	7.30E-12	8.65E-09	4.89E-09	3.74E-09				4.36E-07	2.62E-06	2.63E-03
Be+2, (MT)	1.81E-14	2.14E-11	1.21E-11	9.27E-12				1.10E-09	6.58E-09	6.60E-06
Bi+3, (MT)	1.49E-09	1.76E-06	9.99E-07	7.64E-07				8.82E-05	5.30E-04	5.31E-01
Carbon-14, (MT)	2.51E-14	2.97E-11	1.68E-11	1.29E-11				1.47E-09	8.86E-09	8.88E-06
Ca+2, (MT)	2.70E-10	3.19E-07	1.81E-07	1.38E-07				1.64E-05	9.85E-05	9.88E-02
Cancrinite, (MT)	1.51E-04	1.79E-01	1.78E-01	1.37E-01		1.37E-01		2.96E-05	1.78E-04	1.79E-01
Cd+2, (MT)	5.17E-11	6.13E-08	3.47E-08	2.65E-08				3.07E-06	1.84E-05	1.85E-02
Ce+3, (MT)	8.33E-11	9.86E-08	5.58E-08	4.27E-08				5.75E-06	3.46E-05	3.47E-02
Cl-, (MT)	1.11E-08	1.31E-05	7.42E-06	5.68E-06				6.50E-04	3.90E-03	3.91E+00
Cm+3, (MT)	4.59E-29	1.57E-28	8.89E-29	6.80E-29				8.16E-13	4.90E-12	4.92E-09
CO+3, (MT)	1.27E-12	1.51E-09	8.53E-10	6.53E-10				7.75E-08	4.66E-07	4.67E-04
CO ₃ -2, (MT)	2.20E-11	2.60E-08	1.47E-08	1.13E-08				1.93E-06	1.16E-05	1.16E-02
Cr+3, (MT)	3.04E-09	3.59E-06	2.03E-06	1.56E-06				1.78E-04	1.07E-03	1.07E+00
Cs+, (MT)	2.47E-11	2.93E-08	1.66E-08	1.27E-08				1.45E-06	8.73E-06	8.76E-03
Cu+2, (MT)	5.12E-12	6.06E-09	3.43E-09	2.63E-09				3.03E-07	1.82E-06	1.83E-03
F-, (MT)	2.54E-08	3.00E-05	1.70E-05	1.30E-05				1.49E-03	8.94E-03	8.96E+00
Fe+3, (MT)	2.62E-10	3.10E-07	1.75E-07	1.34E-07				1.80E-05	1.08E-04	1.09E-01
H ₂ O, (MT)	5.35E+01	6.32E+04	6.32E+04	4.83E+04		4.83E+04		1.04E+01	6.24E+01	6.26E+04
Hg+2, (MT)	2.65E-11	3.14E-08	1.78E-08	1.36E-08				1.55E-06	9.34E-06	9.37E-03
I-, (MT)	5.32E-12	6.30E-09	3.57E-09	2.73E-09				3.12E-07	1.88E-06	1.88E-03
K+, (MT)	3.24E-08	3.84E-05	2.17E-05	1.66E-05				1.90E-03	1.14E-02	1.15E+01
La+3, (MT)	1.23E-11	1.45E-08	8.21E-09	6.29E-09				8.61E-07	5.17E-06	5.19E-03
Li+, (MT)	7.08E-13	8.39E-10	4.75E-10	3.64E-10				4.17E-08	2.51E-07	2.51E-04
Mg+2, (MT)	1.28E-11	1.52E-08	8.61E-09	6.59E-09				7.72E-07	4.64E-06	4.65E-03
MnO ₂ , (MT)	5.14E-10	6.08E-07	3.44E-07	2.63E-07				3.09E-05	1.85E-04	1.86E-01
Mn+6, (MT)	7.53E-11	8.92E-08	5.05E-08	3.86E-08				4.44E-06	2.67E-05	2.67E-02
Nat, (MT)	8.38E+01	9.91E+04	5.61E+04	4.29E+04				1.91E+01	1.15E+02	1.15E+05
Ni+3, (MT)	1.44E-11	1.71E-08	9.66E-09	7.39E-09		2.52E-02		8.83E-07	5.30E-06	5.32E-03
Ni ₂ FeCN ₆ , (MT)	2.79E-05	3.29E-02	3.29E-02	2.52E-02				5.46E-06	3.28E-05	3.29E-02
NO ₂ -, (MT)	8.19E-12	9.69E-09	5.48E-09	4.20E-09				7.21E-07	4.33E-06	4.34E-03
NO ₃ -, (MT)	2.43E+02	2.87E+05	1.62E+05	1.24E+05				6.35E+01	3.82E+02	3.83E+05
Np+4, (MT)	1.12E-13	1.33E-10	7.52E-11	5.75E-11				6.75E-09	4.05E-08	4.06E-05
OH-, (MT)	2.01E-10	2.38E-07	1.35E-07	1.03E-07				1.77E-05	1.06E-04	1.07E-01
P ₂ O ₅ ·2H ₂ O, (MT)	1.12E-06	1.33E-03	1.33E-03	1.02E-03		1.02E-03		2.21E-07	1.33E-06	1.33E-03
Et+4, (MT)	6.50E-11	7.70E-08	4.36E-08	3.34E-08				3.93E-06	2.36E-05	2.37E-02
FO ₄ -3, (MT)	1.17E-07	1.39E-04	7.84E-05	6.00E-05				6.87E-03	4.13E-02	4.14E+01
Poly, (MT)	3.45E-06	4.08E-03	4.08E-03	3.12E-03		3.12E-03		6.77E-07	4.07E-06	4.08E-03
Ru+4, (MT)	2.16E-13	2.56E-10	1.45E-10	1.11E-10				1.36E-08	8.17E-08	8.19E-05
Rb+, (MT)	1.42E-12	1.68E-09	9.53E-10	7.29E-10				8.34E-08	5.01E-07	5.03E-04
Re+7, (MT)	1.10E-13	1.31E-10	7.39E-11	5.66E-11				6.62E-09	3.98E-08	3.99E-05
Rh+3, (MT)	3.31E-13	3.92E-10	2.22E-10	1.70E-10				2.10E-08	1.26E-07	1.27E-04
Ru+3, (MT)	6.76E-13	8.01E-10	4.53E-10	3.47E-10				4.17E-08	2.50E-07	2.51E-04
Sb+5, (MT)	1.50E-12	1.78E-09	1.01E-09	7.71E-10				9.50E-08	5.71E-07	5.72E-04
Se+6, (MT)	1.28E-11	1.52E-08	8.57E-09	6.56E-09				7.58E-07	4.55E-06	4.56E-03
Si+4, (MT)	3.12E-10	3.69E-07	2.09E-07	1.60E-07				1.85E-05	1.11E-04	1.11E-01
Sn+3, (MT)	1.11E-14	1.31E-11	7.42E-12	5.68E-12				7.68E-10	4.61E-09	4.63E-06
Sn+4, (MT)	1.15E-13	1.36E-10	7.69E-11	5.88E-11				6.79E-09	4.08E-08	4.09E-05
SO ₄ -2, (MT)	4.57E-08	5.40E-05	3.06E-05	2.34E-05				2.68E-03	1.61E-02	1.61E+01
St+2, (MT)	1.31E-11	1.56E-08	8.80E-09	6.74E-09				9.07E-07	5.45E-06	5.46E-03
TcO ₄ -, (MT)	6.77E-11	8.02E-08	4.54E-08	3.47E-08				3.98E-06	2.39E-05	2.40E-02
Te+6, (MT)	1.48E-13	1.75E-10	9.91E-11	7.58E-11				9.59E-09	5.76E-08	5.78E-05
Th+4, (MT)	5.38E-12	6.37E-09	3.61E-09	2.76E-09				3.66E-07	2.20E-06	2.20E-03
Ti+4, (MT)	2.03E-13	2.40E-10	1.36E-10	1.04E-10				1.35E-08	8.13E-08	8.15E-05
Tl+3, (MT)	7.46E-12	8.83E-09	5.00E-09	3.83E-09				4.57E-07	2.75E-06	2.75E-03
TCC, (MT)	1.79E-08	2.11E-05	1.19E-05	9.14E-06				1.05E-03	6.29E-03	6.30E+00
UO ₂ +2, (MT)	2.25E-09	2.67E-06	1.51E-06	1.16E-06				1.38E-04	8.26E-04	8.28E-01
V+5, (MT)	2.23E-13	2.64E-10	1.50E-10	1.15E-10				1.32E-08	7.96E-08	7.98E-05
W+6, (MT)	7.47E-11	8.85E-08	5.01E-08	3.83E-08				4.39E-06	2.63E-05	2.64E-02
Y+3, (MT)	2.03E-11	2.41E-08	1.36E-08	1.04E-08				1.20E-06	7.20E-06	7.22E-03
ZnO ₂ ·2H ₂ O, (MT)	6.55E-10	7.75E-07	4.39E-07	3.36E-07				4.20E-05	2.52E-04	2.53E-01

STREAM NAME LIQUID COMPONENTS	66	67	68	69	70	71	72	73	74	75
Total Mass Flow, (MT)	7.09E+05	5.69E+05	1.40E+05	7.09E+05	6.32E+05	5.06E+05	1.26E+05	6.32E+05	5.06E+05	1.26E+05
Al, (MT)	1.41E+04	1.13E+04	2.78E+03	1.40E+04	9.65E+03	7.73E+03	1.92E+03	9.59E+03	7.69E+03	1.91E+03
Fe, (MT)	1.28E+00	1.03E+00	2.53E-01	4.51E-01	6.08E-03	4.87E-03	1.21E-03	1.68E-03	1.35E-03	3.34E-04
Cr, (MT)	1.65E+01	1.33E+01	3.27E+00	5.40E+00	6.60E-02	5.29E-02	1.31E-02	1.84E-02	1.47E-02	3.65E-03
Na, (MT)	8.32E+04	6.68E+04	1.64E+04	8.32E+04	7.40E+04	5.93E+04	1.47E+04	7.40E+04	5.93E+04	1.47E+04
Si, (MT)	1.68E+00	1.34E+00	3.31E-01	5.51E-01	6.79E-03	5.44E-03	1.35E-03	1.89E-03	1.51E-03	3.75E-04
P, (MT)	2.08E+02	1.67E+02	4.11E+01	6.81E+01	8.31E-01	6.66E-01	1.65E-01	2.31E-01	1.85E-01	4.59E-02
NO ₂ - and NO ₃ -, (MT)	3.21E+05	2.57E+05	6.34E+04	3.21E+05	2.66E+05	2.13E+05	5.29E+04	2.66E+05	2.13E+05	5.28E+04
Cs and Ba, (MCI)	1.11E+01	8.89E+00	2.19E+00	3.62E+00	4.42E-02	3.54E-02	8.79E-03	1.23E-02	9.86E-03	2.45E-03
Sr and Y, (MCI)	1.91E-01	1.53E-01	3.77E-02	7.26E-02	1.08E-03	8.62E-04	2.14E-04	2.99E-04	2.40E-04	5.95E-05
Tc, (MCI)	3.83E-03	3.07E-03	7.56E-04	1.25E-03	1.53E-05	1.22E-05	3.04E-06	4.25E-06	3.41E-06	8.45E-07
TRU, (MCI)	1.09E-03	8.76E-04	2.16E-04	3.71E-04	4.80E-06	3.84E-06	9.53E-07	1.34E-06	1.07E-06	2.65E-07
Total MCI	1.88E+01	1.50E+01	3.71E+00	6.51E+00	8.64E-02	6.92E-02	1.72E-02	2.40E-02	1.93E-02	4.78E-03
Ag ⁺ , (MT)	4.09E-03	3.28E-03	8.08E-04	1.37E-03	1.72E-05	1.38E-05	3.42E-06	4.79E-06	3.84E-06	9.53E-07
Al ³⁺ , (MT)	1.41E+04	1.13E+04	2.78E+03	1.40E+04	9.65E+03	7.73E+03	1.92E+03	9.59E+03	7.69E+03	1.91E+03
Al(OH) ₄ -, (MT)										
Am ³⁺ , (MT)	2.50E-04	2.00E-04	4.93E-05	8.46E-05	1.09E-06	8.71E-07	2.16E-07	3.03E-07	2.42E-07	6.01E-08
As ⁵⁺ , (MT)	2.36E-02	1.90E-02	4.67E-03	7.78E-03	9.58E-05	7.67E-05	1.90E-05	2.76E-05	2.14E-05	5.30E-06
B ³⁺ , (MT)	1.26E-02	1.01E-02	2.49E-03	4.31E-03	5.59E-05	4.48E-05	1.11E-05	1.56E-05	1.25E-05	3.09E-06
B ²⁺ , (MT)	3.87E-02	3.10E-02	7.64E-03	1.28E-02	1.59E-04	1.27E-04	3.16E-05	4.42E-05	3.54E-05	8.79E-06
Be ²⁺ , (MT)	9.35E-05	7.50E-05	1.85E-05	3.12E-05	3.94E-07	3.15E-07	7.82E-08	1.10E-07	8.78E-08	2.18E-08
Bi ³⁺ , (MT)	8.02E+00	6.44E+00	1.59E+00	2.64E+00	3.24E-02	2.60E-02	6.44E-03	9.02E-03	7.23E-03	1.79E-03
Carbon-14, (MT)	1.37E-04	1.10E-04	2.71E-05	4.48E-05	5.47E-07	4.38E-07	1.09E-07	1.52E-07	1.22E-07	3.02E-08
Cd ²⁺ , (MT)	1.39E+00	1.11E+00	2.74E-01	4.64E-01	5.87E-03	4.70E-03	1.17E-03	1.63E-03	1.31E-03	3.25E-04
Cd ⁺ , (MT)	2.78E-01	2.23E-01	5.49E-02	9.14E-02	1.13E-03	9.02E-04	2.24E-04	3.13E-04	2.51E-04	6.23E-05
Ce ³⁺ , (MT)	3.21E-01	2.58E-01	6.35E-02	1.22E-01	1.81E-03	1.45E-03	3.60E-04	5.04E-04	4.04E-04	1.00E-04
Cl ⁻ , (MT)	6.04E+01	4.85E+01	1.19E+01	1.98E+01	2.41E-01	1.93E-01	4.79E-02	6.71E-02	5.37E-02	1.33E-02
Cm ³⁺ , (MT)	5.46E-08	4.38E-08	1.08E-08	1.96E-08	2.70E-10	2.16E-10	5.37E-11	7.50E-11	6.00E-11	1.49E-11
CO ₃ ²⁻ , (MT)	6.51E-03	5.22E-03	1.29E-03	2.18E-03	2.77E-05	2.22E-05	5.50E-06	7.71E-06	6.17E-06	1.53E-06
CO ₂ , (MT)										
Co ²⁺ , (MT)	2.02E-02	1.62E-02	4.00E-03	1.95E-02	4.77E-04	3.82E-04	9.48E-05	1.33E-04	1.06E-04	2.64E-05
Cr ³⁺ , (MT)	1.65E+01	1.33E+01	3.27E+00	5.40E+00	6.60E-02	5.29E-02	1.31E-02	1.84E-02	1.47E-02	3.65E-03
Cr(OH) ₄ -, (MT)										
Cs ⁺ , (MT)	1.35E-01	1.08E-01	2.67E-02	4.42E-02	5.39E-04	4.32E-04	1.07E-04	1.50E-04	1.20E-04	2.98E-05
Cu ²⁺ , (MT)	2.75E-02	2.21E-02	5.44E-03	9.05E-03	1.12E-04	8.93E-05	2.22E-05	3.10E-05	2.49E-05	6.16E-06
F ⁻ , (MT)	1.38E+02	1.11E+02	2.73E+01	4.52E+01	5.52E-01	4.42E-01	1.10E-01	1.54E-01	1.23E-01	3.05E-02
Fe ³⁺ , (MT)	1.02E+00	8.14E-01	2.01E-01	3.85E-01	5.69E-03	4.56E-03	1.13E-03	1.58E-03	1.27E-03	3.15E-04
FeCN ₆ ³⁻ , (MT)	3.93E-01	3.15E-01	7.76E-02	9.67E-02	5.66E-04	4.54E-04	1.13E-04	1.40E-04	1.12E-04	2.79E-05
H ⁺ , (MT)	6.79E+00	5.45E+00	1.34E+00	1.67E+00	9.78E-03	7.84E-03	1.94E-03	2.42E-03	1.94E-03	4.81E-04
H ₂ O, (MT)	2.90E+05	2.32E+05	5.72E+04	2.90E+05	2.82E+05	2.26E+05	5.60E+04	2.82E+05	2.26E+05	5.61E+04
Hg ²⁺ , (MT)	1.45E-01	1.16E-01	2.86E-02	4.73E-02	5.76E-04	4.62E-04	1.15E-04	1.60E-04	1.29E-04	3.19E-05
I ⁻ , (MT)	2.90E-02	2.33E-02	5.74E-03	9.49E-03	1.16E-04	9.28E-05	2.30E-05	3.22E-05	2.58E-05	6.40E-06
K ⁺ , (MT)	1.77E-02	1.42E-02	3.49E-03	5.78E-03	7.05E-01	5.65E-01	1.40E-01	1.96E-01	1.57E-01	3.90E-02
La ³⁺ , (MT)	4.50E-02	3.61E-02	8.89E-03	1.75E-02	2.67E-04	2.14E-04	5.30E-05	7.42E-05	5.95E-05	1.48E-05
Li ⁺ , (MT)	3.85E-03	3.09E-03	7.61E-04	1.26E-03	1.54E-05	1.24E-05	3.07E-06	4.29E-06	3.44E-06	8.53E-07
Mg ²⁺ , (MT)	6.74E-02	5.41E-02	1.33E-02	2.24E-02	2.80E-04	2.24E-04	5.56E-05	7.78E-05	6.24E-05	1.55E-05
Mn ²⁺ , (MT)	2.70E+00	2.16E+00	5.32E-01	8.95E-01	1.12E-02	8.96E-03	2.22E-03	3.11E-03	2.49E-03	6.18E-04
Mn ⁴⁺ , (MT)	4.08E-01	3.27E-01	8.06E-02	1.34E-01	1.64E-03	1.31E-03	3.26E-04	4.56E-04	3.66E-04	9.06E-05
Na ⁺ , (MT)	8.32E+04	6.68E+04	1.64E+04	8.32E+04	7.40E+04	5.93E+04	1.47E+04	7.40E+04	5.93E+04	1.47E+04
Ni ³⁺ , (MT)	7.30E-02	5.86E-02	1.44E-02	2.46E-02	3.14E-04	2.51E-04	6.23E-05	8.73E-05	6.99E-05	1.74E-05
NO, (MT)										
NO ₂ -, (MT)	7.54E-03	6.05E-03	1.49E-03	7.26E-03	1.78E-04	1.43E-04	3.54E-05	4.95E-05	3.97E-05	9.84E-06
NO ₃ -, (MT)	3.21E+05	2.57E+05	6.34E+04	3.21E+05	2.66E+05	2.13E+05	5.29E+04	2.66E+05	2.13E+05	5.28E+04
Np ⁴⁺ , (MT)	5.88E-04	4.72E-04	1.16E-04	1.95E-04	2.44E-06	1.96E-06	4.85E-07	6.80E-07	5.45E-07	1.35E-07
OH ⁻ , (MT)	1.85E-01	1.49E-01	3.66E-02	1.78E-01	4.37E-03	3.50E-03	8.69E-04	1.22E-03	9.75E-04	2.42E-04
Pb ⁴⁺ , (MT)	3.38E-01	2.72E-01	6.69E-02	1.13E-01	1.42E-03	1.14E-03	2.81E-04	3.94E-04	3.16E-04	7.83E-05
PO ₄ ³⁻ , (MT)	6.38E+02	5.12E+02	1.26E+02	2.09E+02	2.55E+00	2.04E+00	5.06E-01	7.08E-01	5.68E-01	1.41E-01
Poly, (MT)	4.90E+00	3.93E+00	9.68E-01	1.21E+00	7.06E-03	5.66E-03	1.40E-03	1.75E-03	1.40E-03	3.47E-04
Rb ⁴⁺ , (MT)	1.04E-03	8.33E-04	2.05E-04	3.57E-04	4.70E-06	3.77E-06	9.34E-07	1.31E-06	1.05E-06	2.60E-07
Rb ⁺ , (MT)	7.76E-03	6.22E-03	1.53E-03	2.54E-03	3.09E-05	2.48E-05	6.15E-06	8.61E-06	6.90E-06	1.71E-06
Re ⁷⁺ , (MT)	5.81E-04	4.66E-04	1.15E-04	1.93E-04	2.40E-06	1.93E-06	4.77E-07	6.68E-07	5.36E-07	1.33E-07
Rh ³⁺ , (MT)	1.56E-03	1.26E-03	3.09E-04	5.43E-04	7.21E-06	5.78E-06	1.43E-06	2.01E-06	1.61E-06	3.99E-07
Ru ³⁺ , (MT)	3.39E-03	2.72E-03	6.71E-04	1.15E-03	1.47E-05	1.18E-05	2.93E-06	4.10E-06	3.28E-06	8.14E-07
Sb ⁵⁺ , (MT)	7.18E-03	5.76E-03	1.42E-03	2.48E-03	3.27E-05	2.62E-05	6.51E-06	9.11E-06	7.30E-06	1.81E-06
Se ⁶⁺ , (MT)	6.88E-02	5.52E-02	1.36E-02	2.26E-02	2.78E-04	2.23E-04	5.53E-05	7.75E-05	6.21E-05	1.54E-05
Si ⁴⁺ , (MT)	1.68E+00	1.34E+00	3.31E-01	5.51E-01	6.79E-03	5.44E-03	1.35E-03	1.89E-03	1.51E-03	3.75E-04
Sn ³⁺ , (MT)	4.23E-05	3.39E-05	8.35E-06	1.62E-05	2.41E-07	1.93E-07	4.79E-08	6.71E-08	5.38E-08	1.33E-08
Sn ⁴⁺ , (MT)	6.18E-04	4.96E-04	1.22E-04	2.03E-04	2.50E-06	2.00E-06	4.96E-07	6.95E-07	5.57E-07	1.38E-07
SO ₄ ²⁻ , (MT)	2.49E+02	2.00E+02	4.92E+01	8.13E+01	9.92E-01	7.95E-01	1.97E-01	2.76E-01	2.21E-01	5.49E-02
St ²⁺ , (MT)	5.07E-02	4.07E-02	1.00E-02	1.93E-02	2.86E-04	2.29E-04	5.68E-05	7.96E-05	6.37E-05	1.58E-05
Ta ⁵⁺ , (MT)	3.69E-01	2.96E-01	7.29E-02	1.21E-01	1.47E-03	1.18E-03	2.93E-04	4.10E-04	3.29E-04	8.15E-05
Te ⁶⁺ , (MT)	6.68E-04	5.36E-04	1.32E-04	2.36E-04	3.22E-06	2.58E-06	6.40E-07	8.96E-07	7.18E-07	1.78E-07
Th ⁴⁺ , (MT)	2.17E-02	1.74E-02	4.28E-03	8.08E-03	1.17E-04	9.38E-05	2.33E-05	3.26E-05	2.61E-05	6.47E-06
Ti ⁴⁺ , (MT)	8.58E-04	6.88E-04	1.70E-04	3.13E-04	4.42E-06	3.54E-06	8.78E-07	1.23E-06	9.85E-07	2.44E-07
Tl ³⁺ , (MT)	3.78E-02	3.03E-02	7.46E-03	1.27E-02	1.62E-04	1.30E-04	3.23E-05	4.52E-05	3.62E-05	8.98E-06
TOC, (MT)	9.75E+01	7.80E+01	1.92E+01	3.18E+01	3.88E-01	3.11E-01	7.71E-02	1.08E-01	8.65E-02	2.15E-02
UD ₂ H ₂ , (MT)	1.15E+01	9.20E+00	2.27E+00	3.85E+00	4.90E-02	3.93E-02	9.74E-03	1.30E-02	1.09E-02	2.71E-03
V ⁵⁺ , (MT)	1.20E-03	9.60E-04	2.36E-04	3.94E-04	4.86E-06	3.89E-06	9.65E-07	1.35E-06	1.08E-06	2.69E-07
W ⁶⁺ , (MT)	4.08E-01	3.27E-01	8.06E-02	1.33E-01	1.63E-03	1.30E-03	3.23E-04	4.53E-04	3.63E-04	8.99E-05
Zn ²⁺ , (MT)	1.10E-01	8.84E-02	2.18E-02	3.61E-02	4.42E-04	3.55E-04	8.79E-05	1.23E-04	9.87E-05	2.45E-05
ZrO ₂ .2H ₂ O, (MT)	3.03E+00	2.43E+00	5.98E-01	1.06E+00	1.43E-02	1.14E-02	2.83E-03	3.97E-03	3.18E-03	7.88E-04

STREAM NAME	66	67	68	69	70	71	72	73	74	75
SOLID COMPONENTS										
Total Mass Flow, (MT)	5.72E+05	5.70E+02	5.71E+05	5.72E+05	5.12E+05	5.07E+02	5.12E+05	5.12E+05	5.07E+02	5.12E+05
Al, (MT)	1.04E+04	1.04E+01	1.04E+04	1.04E+04	7.67E+03	7.59E+00	7.66E+03	7.66E+03	7.58E+00	7.66E+03
Fe, (MT)	1.14E-01	1.14E-04	1.14E-01	1.14E-01	5.73E-03	5.67E-06	5.72E-03	5.73E-03	5.67E-06	5.72E-03
Cr, (MT)	1.07E+00	1.07E-03	1.07E+00	1.07E+00	1.63E-03	1.62E-06	1.63E-03	1.63E-03	1.61E-06	1.63E-03
Na, (MT)	1.15E+05	1.15E+02	1.15E+05	1.15E+05	1.10E+05	1.09E+02	1.10E+05	1.10E+05	1.09E+02	1.10E+05
Si, (MT)	1.41E-01	1.40E-04	1.41E-01	1.41E-01	2.97E-02	2.93E-05	2.96E-02	2.97E-02	2.93E-05	2.96E-02
P, (MT)	1.35E+01	1.35E-02	1.35E+01	1.35E+01	2.06E-02	2.04E-05	2.06E-02	2.06E-02	2.03E-05	2.05E-02
NO ₂ - and NO ₃ -, (MT)	3.83E+05	3.82E+02	3.83E+05	3.83E+05	3.49E+05	3.45E+02	3.48E+05	3.49E+05	3.45E+02	3.48E+05
Cs and Ba, (MCl)	7.20E-01	7.17E-04	7.19E-01	7.19E-01	1.09E-03	1.08E-06	1.09E-03	1.09E-03	1.08E-06	1.09E-03
Sr and Y, (MCl)	2.06E-02	2.05E-05	2.06E-02	2.06E-02	2.66E-05	2.63E-08	2.66E-05	2.66E-05	2.63E-08	2.66E-05
Tc, (MCl)	2.49E-04	2.48E-07	2.48E-04	2.48E-04	3.78E-07	3.74E-10	3.78E-07	3.78E-07	3.74E-10	3.77E-07
TRU, (MCl)	8.24E-05	8.21E-08	8.23E-05	8.23E-05	1.19E-07	1.17E-10	1.19E-07	1.19E-07	1.17E-10	1.19E-07
Total MCl	1.52E+00	1.51E-03	1.52E+00	1.52E+00	2.14E-03	2.12E-06	2.14E-03	2.14E-03	2.11E-06	2.13E-03
Ag, (MT)	2.89E-04	2.88E-07	2.89E-04	2.89E-04	4.26E-07	4.21E-10	4.26E-07	4.26E-07	4.21E-10	4.25E-07
Al+3, (MT)	1.04E+04	1.04E+01	1.04E+04	1.04E+04	7.67E+03	7.59E+00	7.66E+03	7.66E+03	7.58E+00	7.66E+03
Am+3, (MT)	1.86E-05	1.85E-08	1.86E-05	1.86E-05	2.69E-08	2.66E-11	2.69E-08	2.69E-08	2.66E-11	2.69E-08
As+5, (MT)	1.57E-03	1.57E-06	1.57E-03	1.57E-03	2.37E-06	2.34E-09	2.37E-06	2.37E-06	2.34E-09	2.37E-06
B+3, (MT)	9.64E-04	9.60E-07	9.63E-04	9.63E-04	1.38E-06	1.37E-09	1.38E-06	1.38E-06	1.37E-09	1.38E-06
Ba+2, (MT)	2.63E-03	2.62E-06	2.63E-03	2.63E-03	3.93E-06	3.89E-09	3.93E-06	3.93E-06	3.89E-09	3.92E-06
Be+2, (MT)	6.61E-06	6.58E-09	6.60E-06	6.60E-06	9.74E-09	9.62E-12	9.73E-09	9.73E-09	9.61E-12	9.72E-09
Bi+3, (MT)	5.32E-01	5.30E-04	5.31E-01	5.31E-01	8.02E-04	7.94E-07	8.02E-04	8.02E-04	7.93E-07	8.01E-04
Carbon-14, (MT)	8.89E-06	8.86E-09	8.88E-06	8.88E-06	1.35E-08	1.34E-11	1.35E-08	1.35E-08	1.33E-11	1.35E-08
Cat2, (MT)	9.89E-02	9.85E-05	9.88E-02	9.88E-02	1.45E-04	1.44E-07	1.45E-04	1.45E-04	1.44E-07	1.45E-04
Cancrinite, (MT)	1.79E-01	1.78E-04	1.79E-01	1.79E-01	1.79E-01	1.77E-04	1.79E-01	1.79E-01	1.77E-04	1.79E-01
Cd+2, (MT)	1.85E-02	1.84E-05	1.85E-02	1.85E-02	2.79E-05	2.76E-08	2.78E-05	2.78E-05	2.75E-08	2.78E-05
Ce+3, (MT)	3.47E-02	3.46E-05	3.47E-02	3.47E-02	4.49E-05	4.44E-08	4.48E-05	4.48E-05	4.43E-08	4.48E-05
Cl-, (MT)	3.92E+00	3.90E-03	3.91E+00	3.91E+00	5.96E-03	5.90E-06	5.96E-03	5.96E-03	5.89E-06	5.95E-03
Co+3, (MT)	4.92E-09	4.90E-12	4.92E-09	4.92E-09	6.69E-12	6.61E-15	6.69E-12	6.69E-12	6.61E-15	6.68E-12
CO+3, (MT)	4.67E-04	4.66E-07	4.67E-04	4.67E-04	6.85E-07	6.78E-10	6.84E-07	6.84E-07	6.77E-10	6.84E-07
CO3-2, (MT)	1.17E-02	1.16E-05	1.16E-02	1.16E-02	1.18E-05	1.17E-08	1.18E-05	1.18E-05	1.17E-08	1.18E-05
Cr+3, (MT)	1.07E+00	1.07E-03	1.07E+00	1.07E+00	1.63E-03	1.62E-06	1.63E-03	1.63E-03	1.61E-06	1.63E-03
Cs+, (MT)	8.77E-03	8.73E-06	8.76E-03	8.76E-03	1.33E-05	1.32E-08	1.33E-05	1.33E-05	1.32E-08	1.33E-05
Cr+2, (MT)	1.83E-03	1.82E-06	1.83E-03	1.83E-03	2.76E-06	2.73E-09	2.76E-06	2.76E-06	2.73E-09	2.75E-06
F-, (MT)	8.97E+00	8.94E-03	8.96E+00	8.96E+00	1.37E-02	1.35E-05	1.36E-02	1.36E-02	1.35E-05	1.36E-02
Fe+3, (MT)	1.09E-01	1.08E-04	1.09E-01	1.09E-01	1.41E-04	1.39E-07	1.41E-04	1.41E-04	1.39E-07	1.41E-04
H2O, (MT)	6.24E+04	6.24E+01	6.24E+04	6.24E+04	4.61E+04	4.56E+01	4.61E+04	4.62E+04	4.57E+01	4.61E+04
Hg+2, (MT)	9.37E-03	9.34E-06	9.37E-03	9.37E-03	1.43E-05	1.41E-08	1.43E-05	1.43E-05	1.41E-08	1.42E-05
I-, (MT)	1.88E-03	1.88E-06	1.88E-03	1.88E-03	2.87E-06	2.83E-09	2.86E-06	2.86E-06	2.83E-09	2.86E-06
K+, (MT)	1.15E+01	1.14E-02	1.15E+01	1.15E+01	1.74E-02	1.73E-05	1.74E-02	1.74E-02	1.72E-05	1.74E-02
La+3, (MT)	5.19E-03	5.17E-06	5.19E-03	5.19E-03	6.60E-06	6.53E-09	6.59E-06	6.59E-06	6.52E-09	6.59E-06
Li+, (MT)	2.52E-04	2.51E-07	2.51E-04	2.51E-04	3.82E-07	3.78E-10	3.81E-07	3.81E-07	3.77E-10	3.81E-07
Mg+2, (MT)	4.66E-03	4.64E-06	4.65E-03	4.65E-03	6.92E-06	6.85E-09	6.91E-06	6.91E-06	6.84E-09	6.91E-06
MnO2, (MT)	1.86E-01	1.85E-04	1.86E-01	1.86E-01	2.77E-04	2.74E-07	2.76E-04	2.76E-04	2.73E-07	2.76E-04
Mo+6, (MT)	2.67E-02	2.67E-05	2.67E-02	2.67E-02	4.06E-05	4.01E-08	4.05E-05	4.05E-05	4.01E-08	4.05E-05
Nat, (MT)	1.15E+05	1.15E+02	1.15E+05	1.15E+05	1.10E+05	1.09E+02	1.10E+05	1.10E+05	1.09E+02	1.10E+05
Ni+3, (MT)	5.32E-03	5.30E-06	5.32E-03	5.32E-03	7.76E-06	7.68E-09	7.75E-06	7.75E-06	7.67E-09	7.75E-06
Ni2FeCN6, (MT)	3.29E-02	3.28E-05	3.29E-02	3.29E-02	3.29E-02	3.26E-05	3.29E-02	3.29E-02	3.26E-05	3.29E-02
NO2-, (MT)	4.35E-03	4.33E-06	4.34E-03	4.34E-03	4.40E-06	4.36E-09	4.40E-06	4.40E-06	4.35E-09	4.40E-06
NO3-, (MT)	3.83E+05	3.82E+02	3.83E+05	3.83E+05	3.49E+05	3.45E+02	3.48E+05	3.49E+05	3.45E+02	3.48E+05
Not+4, (MT)	4.07E-05	4.05E-08	4.06E-05	4.06E-05	6.05E-08	5.97E-11	6.04E-08	6.04E-08	5.97E-11	6.03E-08
OH-, (MT)	1.07E-01	1.06E-04	1.07E-01	1.07E-01	1.08E-04	1.07E-07	1.08E-04	1.08E-04	1.07E-07	1.08E-04
P2O5-2H2O, (MT)	1.33E-03	1.33E-06	1.33E-03	1.33E-03	1.33E-03	1.32E-06	1.33E-03	1.33E-03	1.32E-06	1.33E-03
Pb+4, (MT)	2.37E-02	2.36E-05	2.37E-02	2.37E-02	3.50E-05	3.47E-08	3.50E-05	3.50E-05	3.46E-08	3.50E-05
PO4-3, (MT)	4.14E+01	4.13E-02	4.14E+01	4.14E+01	6.30E-02	6.23E-05	6.29E-02	6.29E-02	6.23E-05	6.29E-02
Poly, (MT)	4.09E-03	4.07E-06	4.08E-03	4.09E-03	4.09E-03	4.04E-06	4.08E-03	4.09E-03	4.04E-06	4.08E-03
Ru+4, (MT)	8.20E-05	8.17E-08	8.19E-05	8.19E-05	1.16E-07	1.15E-10	1.16E-07	1.16E-07	1.15E-10	1.16E-07
Rb+, (MT)	5.03E-04	5.01E-07	5.03E-04	5.03E-04	7.65E-07	7.57E-10	7.65E-07	7.65E-07	7.56E-10	7.64E-07
Re+7, (MT)	3.99E-05	3.98E-08	3.99E-05	3.99E-05	5.94E-08	5.87E-11	5.94E-08	5.94E-08	5.87E-11	5.93E-08
Rh+3, (MT)	1.27E-04	1.26E-07	1.27E-04	1.27E-04	1.78E-07	1.76E-10	1.78E-07	1.78E-07	1.76E-10	1.78E-07
Ru+3, (MT)	2.51E-04	2.50E-07	2.51E-04	2.51E-04	3.64E-07	3.60E-10	3.64E-07	3.64E-07	3.60E-10	3.64E-07
Sb+5, (MT)	5.73E-04	5.71E-07	5.72E-04	5.72E-04	8.10E-07	8.01E-10	8.09E-07	8.09E-07	8.00E-10	8.08E-07
Se+6, (MT)	4.57E-03	4.55E-06	4.57E-03	4.56E-03	6.89E-06	6.82E-09	6.88E-06	6.88E-06	6.81E-09	6.88E-06
Si+4, (MT)	1.11E-01	1.11E-04	1.11E-01	1.11E-01	1.68E-04	1.66E-07	1.68E-04	1.68E-04	1.66E-07	1.68E-04
Sn+3, (MT)	4.63E-06	4.61E-09	4.63E-06	4.63E-06	5.97E-09	5.96E-12	5.96E-09	5.96E-09	5.89E-12	5.95E-09
Sn+4, (MT)	4.09E-05	4.08E-08	4.09E-05	4.09E-05	6.18E-08	6.10E-11	6.17E-08	6.17E-08	6.10E-11	6.17E-08
SO4-2, (MT)	1.61E+01	1.61E-02	1.61E+01	1.61E+01	2.46E-02	2.43E-05	2.45E-02	2.45E-02	2.43E-05	2.45E-02
St+2, (MT)	5.47E-03	5.45E-06	5.46E-03	5.46E-03	7.07E-06	7.00E-09	7.07E-06	7.07E-06	6.99E-09	7.06E-06
ToO4-, (MT)	2.40E-02	2.39E-05	2.40E-02	2.40E-02	3.65E-05	3.61E-08	3.64E-05	3.64E-05	3.60E-08	3.64E-05
Te+6, (MT)	5.78E-05	5.76E-08	5.78E-05	5.78E-05	7.97E-08	7.87E-11	7.96E-08	7.96E-08	7.86E-11	7.95E-08
Th+4, (MT)	2.20E-03	2.20E-06	2.20E-03	2.20E-03	2.90E-06	2.87E-09	2.89E-06	2.89E-06	2.86E-09	2.89E-06
Ti+4, (MT)	8.16E-05	8.13E-08	8.15E-05	8.15E-05	1.09E-07	1.08E-10	1.09E-07	1.09E-07	1.08E-10	1.09E-07
Ti+3, (MT)	2.76E-03	2.75E-06	2.75E-03	2.75E-03	4.02E-06	3.97E-09	4.01E-06	4.01E-06	3.97E-09	4.01E-06
TOC, (MT)	6.31E+00	6.29E-03	6.30E+00	6.30E+00	9.60E-03	9.50E-06	9.59E-03	9.59E-03	9.49E-06	9.58E-03
UO2+2, (MT)	8.29E-01	8.26E-04	8.28E-01	8.28E-01	1.21E-03	1.20E-06	1.21E-03	1.21E-03	1.20E-06	1.21E-03
V+5, (MT)	7.99E-05	7.96E-08	7.98E-05	7.98E-05	1.20E-07	1.19E-10	1.20E-07	1.20E-07	1.19E-10	1.20E-07
W+6, (MT)	2.64E-02	2.63E-05	2.64E-02	2.64E-02	4.02E-05	3.98E-08	4.02E-05	4.02E-05	3.98E-08	4.02E-05
Zn+2, (MT)	7.20E-03	7.20E-06	7.22E-03	7.22E-03	1.10E-05	1.08E-08	1.09E-05	1.09E-05	1.08E-08	1.09E-05
ZrO2-2H2O, (MT)	2.53E-01	2.52E-04	2.53E-01	2.53E-01	3.53E-04	3.49E-07	3.52E-04	3.52E-04	3.48E-07	3.52E-04

STREAM NAME	77	78	79
LIQUID COMPONENTS			
Total Mass Flow, (MT)	5.05E+05	3.82E+05	1.23E+05
Al, (MT)	2.00E+03	1.52E+03	4.87E+02
Fe, (MT)	1.50E-05	1.13E-05	3.64E-06
Cr, (MT)	1.67E-04	1.26E-04	4.05E-05
Na, (MT)	6.34E+04	4.80E+04	1.54E+04
Si, (MT)	1.72E-05	1.30E-05	4.17E-06
P, (MT)	2.10E-03	1.59E-03	5.10E-04
NO ₂ - and NO ₃ -, (MT)	1.85E+05	1.40E+05	4.50E+04
Cs and Ba, (MCI)	1.12E-04	8.46E-05	2.72E-05
Sr and Y, (MCI)	2.72E-06	2.06E-06	6.61E-07
Tc, (MCI)	3.86E-08	2.92E-08	9.38E-09
TRU, (MCI)	1.21E-08	9.17E-09	2.95E-09
Total MCI	2.18E-04	1.65E-04	5.31E-05
Ag ⁺ , (MT)	4.35E-08	3.30E-08	1.06E-08
Al ³⁺ , (MT)	2.00E+03	1.52E+03	4.87E+02
Al(OH) ₄ -, (MT)			
Am ³⁺ , (MT)	2.75E-09	2.08E-09	6.67E-10
As ⁵⁺ , (MT)	2.42E-07	1.83E-07	5.88E-08
B ³⁺ , (MT)	1.41E-07	1.07E-07	3.43E-08
Ba ²⁺ , (MT)	4.02E-07	3.04E-07	9.76E-08
Be ²⁺ , (MT)	9.95E-10	7.53E-10	2.42E-10
Bi ³⁺ , (MT)	8.20E-05	6.20E-05	1.99E-05
Carbon-14, (MT)	1.38E-09	1.05E-09	3.36E-10
Ce ²⁺ , (MT)	1.48E-05	1.12E-05	3.61E-06
Cd ²⁺ , (MT)	2.85E-06	2.16E-06	6.92E-07
Ce ³⁺ , (MT)	4.58E-06	3.47E-06	1.11E-06
Cl-, (MT)	6.09E-04	4.61E-04	1.48E-04
Cm ³⁺ , (MT)	5.82E-13	4.39E-13	1.41E-13
CO ³⁺ , (MT)	7.00E-08	5.30E-08	1.70E-08
CO ₂ , (MT)			
CO ₃ -2-, (MT)	1.21E-06	9.13E-07	2.93E-07
Cr ³⁺ , (MT)	1.67E-04	1.26E-04	4.05E-05
Cr(OH) ₄ -, (MT)			
Cs ⁺ , (MT)	1.36E-06	1.03E-06	3.31E-07
Cu ²⁺ , (MT)	2.82E-07	2.13E-07	6.85E-08
F-, (MT)	1.39E-03	1.06E-03	3.39E-04
Fe ³⁺ , (MT)	1.44E-05	1.09E-05	3.50E-06
FeCN ₆ -3-, (MT)	8.69E-07	6.58E-07	2.11E-07
H ⁺ , (MT)	1.50E-05	1.14E-05	3.65E-06
H ₂ O, (MT)	2.54E+05	1.93E+05	6.18E+04
Hg ²⁺ , (MT)	1.46E-06	1.10E-06	3.54E-07
I-, (MT)	2.93E-07	2.22E-07	7.11E-08
K ⁺ , (MT)	1.78E-03	1.35E-03	4.33E-04
La ³⁺ , (MT)	6.74E-07	5.10E-07	1.64E-07
Li ⁺ , (MT)	3.90E-08	2.95E-08	9.48E-09
Mg ²⁺ , (MT)	7.07E-07	5.35E-07	1.72E-07
MnO ₂ , (MT)	2.83E-05	2.14E-05	6.87E-06
Mb ⁶⁺ , (MT)	4.14E-06	3.14E-06	1.01E-06
Nat, (MT)	6.34E+04	4.80E+04	1.54E+04
Ni ³⁺ , (MT)	7.93E-07	6.00E-07	1.93E-07
NO, (MT)			
NO ₂ -, (MT)	4.50E-07	3.41E-07	1.09E-07
NO ₃ -, (MT)	1.85E+05	1.40E+05	4.50E+04
Np ⁴⁺ , (MT)	6.17E-09	4.67E-09	1.50E-09
OH-, (MT)	1.11E-05	8.37E-06	2.69E-06
Pb ⁴⁺ , (MT)	3.58E-06	2.71E-06	8.70E-07
PO ₄ -3-, (MT)	6.43E-03	4.87E-03	1.56E-03
Poly, (MT)	1.08E-05	8.20E-06	2.63E-06
Ru ⁴⁺ , (MT)	1.19E-08	8.99E-09	2.89E-09
Rb ⁺ , (MT)	7.82E-08	5.92E-08	1.90E-08
Rer ⁷ , (MT)	6.07E-09	4.60E-09	1.48E-09
Rh ³⁺ , (MT)	1.82E-08	1.38E-08	4.43E-09
Ru ³⁺ , (MT)	3.72E-08	2.82E-08	9.04E-09
Sb ⁵⁺ , (MT)	8.28E-08	6.26E-08	2.01E-08
Se ⁶ , (MT)	7.04E-07	5.33E-07	1.71E-07
Si ⁴⁺ , (MT)	1.72E-05	1.30E-05	4.17E-06
Sm ³⁺ , (MT)	6.09E-10	4.60E-10	1.48E-10
Sn ⁴⁺ , (MT)	6.31E-09	4.78E-09	1.53E-09
SO ₄ -2-, (MT)	2.51E-03	1.90E-03	6.10E-04
Sr ²⁺ , (MT)	7.23E-07	5.47E-07	1.76E-07
TcO ₄ -, (MT)	3.73E-06	2.82E-06	9.05E-07
Tet ⁶ , (MT)	8.14E-09	6.16E-09	1.98E-09
Th ⁴⁺ , (MT)	2.96E-07	2.24E-07	7.19E-08
Ti ⁴⁺ , (MT)	1.12E-08	8.45E-09	2.71E-09
Tl ³⁺ , (MT)	4.10E-07	3.11E-07	9.97E-08
TCC, (MT)	9.80E-04	7.42E-04	2.38E-04
UO ₂ +2-, (MT)	1.24E-04	9.37E-05	3.01E-05
V ⁵⁺ , (MT)	1.23E-08	9.30E-09	2.98E-09
W ⁶ , (MT)	4.11E-06	3.11E-06	9.99E-07
Zn ²⁺ , (MT)	1.12E-06	8.47E-07	2.72E-07
ZrO ₂ .2H ₂ O, (MT)	3.60E-05	2.73E-05	8.75E-06

STREAM NAME	77	78	79
SOLID COMPONENTS			
Total Mass Flow, (MT)	5.00E+05	3.83E+02	5.00E+05
Al, (MT)	2.84E+03	2.17E+00	2.83E+03
Fe, (MT)	9.85E-03	7.53E-06	9.84E-03
Cr, (MT)	3.59E-06	2.74E-09	3.59E-06
Na, (MT)	9.91E+04	7.57E+01	9.90E+04
Si, (MT)	5.20E-02	3.97E-05	5.19E-02
P, (MT)	6.90E-05	5.27E-08	6.89E-05
NO ₂ - and NO ₃ -, (MT)	2.87E+05	2.19E+02	2.87E+05
Cs and Ba, (MCl)	2.41E-06	1.83E-09	2.40E-06
Sr and Y, (MCl)	5.85E-08	4.47E-11	5.85E-08
Tc, (MCl)	8.31E-10	6.34E-13	8.30E-10
TRU, (MCl)	2.61E-10	1.99E-13	2.61E-10
Total MCl	4.70E-06	3.59E-09	4.70E-06
Ag+, (MT)	9.37E-10	7.15E-13	9.36E-10
Al+3, (MT)	2.84E+03	2.17E+00	2.83E+03
Am+3, (MT)	5.91E-11	4.51E-14	5.91E-11
As+5, (MT)	5.21E-09	3.97E-12	5.21E-09
B+3, (MT)	3.04E-09	2.32E-12	3.04E-09
Ba+2, (MT)	8.65E-09	6.59E-12	8.64E-09
Be+2, (MT)	2.14E-11	1.63E-14	2.14E-11
Bi+3, (MT)	1.76E-06	1.35E-09	1.76E-06
Carbon-14, (MT)	2.97E-11	2.27E-14	2.97E-11
Cat2, (MT)	3.19E-07	2.44E-10	3.19E-07
Cancrinite, (MT)	3.15E-01	2.41E-04	3.15E-01
Cd+2, (MT)	6.13E-08	4.67E-11	6.12E-08
Ce+3, (MT)	9.86E-08	7.53E-11	9.85E-08
Cl-, (MT)	1.31E-05	1.00E-08	1.31E-05
Cm+3, (MT)	1.57E-28	1.11E-28	1.57E-28
Co+3, (MT)	1.51E-09	1.15E-12	1.51E-09
CO ₃ -2, (MT)	2.60E-08	1.98E-11	2.60E-08
Cr+3, (MT)	3.59E-06	2.74E-09	3.59E-06
Csr, (MT)	2.93E-08	2.24E-11	2.93E-08
Cr+2, (MT)	6.06E-09	4.63E-12	6.06E-09
F-, (MT)	3.00E-05	2.29E-08	3.00E-05
Fet3, (MT)	3.10E-07	2.36E-10	3.09E-07
H ₂ O, (MT)	1.12E+05	8.53E+01	1.12E+05
Hg+2, (MT)	3.14E-08	2.39E-11	3.13E-08
I-, (MT)	6.30E-09	4.80E-12	6.29E-09
K+, (MT)	3.84E-05	2.93E-08	3.83E-05
La+3, (MT)	1.45E-08	1.11E-11	1.45E-08
Li+, (MT)	8.39E-10	6.40E-13	8.39E-10
Mg+2, (MT)	1.52E-08	1.16E-11	1.52E-08
MnO ₂ , (MT)	6.08E-07	4.65E-10	6.08E-07
Mb+6, (MT)	8.92E-08	6.80E-11	8.91E-08
Nat, (MT)	9.91E+04	7.57E+01	9.90E+04
Ni+3, (MT)	1.71E-08	1.30E-11	1.71E-08
Ni ₂ FeCN ₆ , (MT)	5.81E-02	4.44E-05	5.80E-02
NO ₂ -, (MT)	9.69E-09	7.40E-12	9.68E-09
NO ₃ -, (MT)	2.87E+05	2.19E+02	2.87E+05
Np+4, (MT)	1.33E-10	1.01E-13	1.33E-10
OH-, (MT)	2.38E-07	1.82E-10	2.38E-07
P ₂ O ₅ :24H ₂ O, (MT)	2.34E-03	1.79E-06	2.34E-03
Pb+4, (MT)	7.70E-08	5.88E-11	7.70E-08
PO ₄ -3, (MT)	1.39E-04	1.06E-07	1.38E-04
Poly, (MT)	7.20E-03	5.51E-06	7.20E-03
Ru+4, (MT)	2.56E-10	1.95E-13	2.55E-10
Rb+, (MT)	1.68E-09	1.28E-12	1.68E-09
Re+7, (MT)	1.31E-10	9.96E-14	1.31E-10
Rh+3, (MT)	3.92E-10	2.99E-13	3.92E-10
Ru+3, (MT)	8.01E-10	6.11E-13	8.00E-10
Sb+5, (MT)	1.78E-09	1.36E-12	1.78E-09
Se+6, (MT)	1.52E-08	1.16E-11	1.51E-08
Si+4, (MT)	3.69E-07	2.82E-10	3.69E-07
Sn+3, (MT)	1.31E-11	1.00E-14	1.31E-11
Sn+4, (MT)	1.36E-10	1.04E-13	1.36E-10
SO ₄ -2, (MT)	5.40E-05	4.13E-08	5.39E-05
St+2, (MT)	1.56E-08	1.19E-11	1.55E-08
TcO ₄ -, (MT)	8.02E-08	6.11E-11	8.01E-08
Te+6, (MT)	1.75E-10	1.34E-13	1.75E-10
Th+4, (MT)	6.37E-09	4.86E-12	6.36E-09
Ti+4, (MT)	2.40E-10	1.83E-13	2.40E-10
Tl+3, (MT)	8.83E-09	6.74E-12	8.83E-09
TOC, (MT)	2.11E-05	1.61E-08	2.11E-05
UO ₂ +2, (MT)	2.67E-06	2.04E-09	2.66E-06
V+5, (MT)	2.64E-10	2.02E-13	2.64E-10
W+6, (MT)	8.85E-08	6.75E-11	8.84E-08
Zn+2, (MT)	2.41E-08	1.84E-11	2.41E-08
ZrO ₂ :2H ₂ O, (MT)	7.75E-07	5.91E-10	7.75E-07