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Zusammensetzung, Aktivitäts- und Wärmeinventar einzelner Abfallströme aus LWR- und SBR-Brennstoffkreisläufen

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KERNFORSCHUNGSZENTRUM KARLSRUHE

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**Zusammensetzung, Aktivitäts- und Wärmeinventar einzelner
Abfallströme aus LWR- und SBR-Brennstoffkreisläufen**

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Zusammensetzung, Aktivitäts- und Wärmeinventar einzelner Abfallströme aus LWR- und SBR-Brennstoffkreisläufen

Zusammenfassung:

Entsprechend dem deutschen Konzept sollen abgebrannte Reaktor-Brennelemente wiederaufgearbeitet und die dabei anfallenden radioaktiven Abfälle in einem Salzstock endgelagert werden. Für Langzeit-Sicherheitsbetrachtungen für das Endlager und zur Auslegung von Abfall-Behandlungsverfahren ist die Kenntnis der Abfall-Zusammensetzung sowie des Aktivitäts- und Wärmeinventars der einzelnen Abfallströme erforderlich.

Dieser Bericht enthält eine Zusammenstellung berechneter Daten für Abfälle aus der Wiederaufarbeitung, wie HAWC, MAWC und FKS, sowie für Abfälle aus der Brennelementfertigung. Hierbei werden diese Abfallströme aus der Wiederaufarbeitung bzw. der Fertigung von Uran-Dioxid und Uran/Plutonium-Mischoxid-Brennelementen für Leichtwasser-Reaktoren berücksichtigt. Die Daten werden ergänzt durch berechnete Werte für Abfälle aus einem Schnellbrüter-Reaktor Brennstoffkreislauf.

Für die Berechnungen wurde der KORIGEN-Code mit Eingabedaten für Referenz-Reaktortypen verwendet. Die Berechnung der zeitabhängigen Abfallzusammensetzungen erfolgte mit experimentell bestimmten Elementabtrennfaktoren.

Composition, Activity- and Heat-Inventory of Different Waste Streams from LWR and FBR Nuclear Fuel Cycles

Abstract

According to the German concept, spent reactor fuel elements are intended to be reprocessed. The resulting radioactive wastes are planned to be disposed of in a salt dome. Long-term safety analysis for the nuclear waste repository and the evaluation of waste treatment methods require detailed information about the composition, activity- and heat-inventory of the waste streams.

In this report data are listed which were calculated for radioactive wastes from reprocessed fuel elements (High-Level Waste Concentrate, Medium-Level Waste Concentrate, Dissolver Residues) and radioactive wastes from the fabrication of nuclear fuel elements. Data are given for the reprocessing and the fabrication of uranium dioxide and uranium/plutonium mixed oxide fuel elements for light-water reactors. In addition the corresponding waste streams from a fast breeder reactor nuclear fuel cycle are characterized.

For the calculations the KORIGEN-code was used with input data for reference-type reactors. The calculation of the time dependent radionuclide composition of the wastes was based on element separation factors which were experimentally determined.

Inhaltsverzeichnis

Kapitel 1. Einleitung	1
Kapitel 2. Vorgaben für das Rechenmodell	3
2.1 Brennstoffzusammensetzung von Referenz-Reaktortypen	3
2.2 Daten für die Wiederaufarbeitung und die Brennelementfertigung	6
Kapitel 3. Rechenergebnisse	11
3.1 Graphische Darstellung der Aktivität, Wärmeleistung und Wärmefreisetzung als Funktion des Abfallalters	11
3.2 Tabellarische Zusammenstellung der Abfalldaten	33
Literaturverzeichnis	197

Kapitel 1. Einleitung

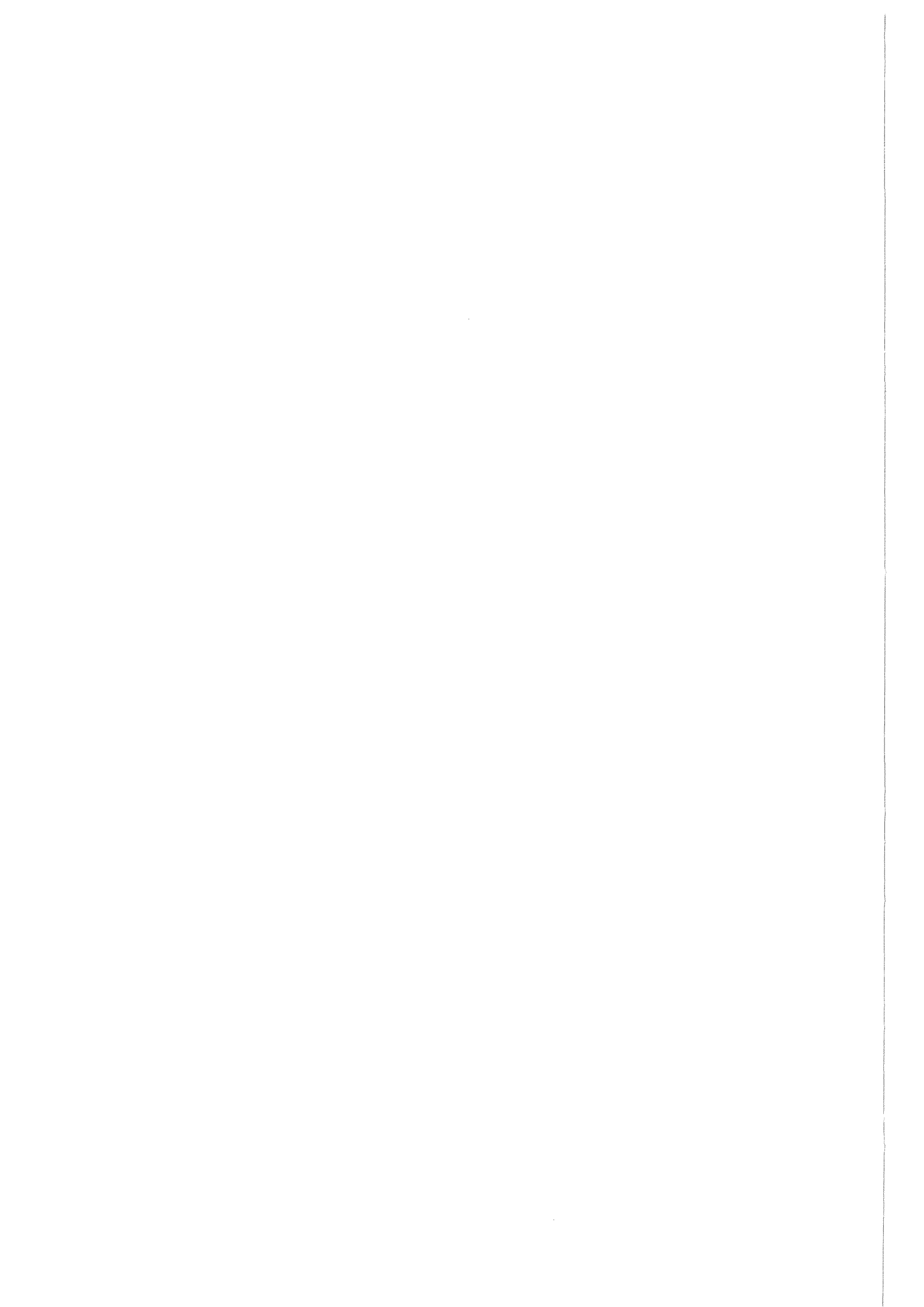
Nach dem Konzept der Bundesregierung sollen abgebrannte Brennstoffe aus Leichtwasser-Reaktoren wiederaufgearbeitet werden. Der zurückgewonnene Brennstoff soll in den Brennstoffkreislauf zurückgeführt und die anfallenden radioaktiven Abfälle in einem Salzstock endgelagert werden. Von wesentlicher Bedeutung für eine Endlagerung sind die aus der Brennstofflösung beim Wiederaufarbeitungsprozess entstehenden Abfallströme wie Hochaktives Abfallkonzentrat (HAWC), Mittelaktives Abfallkonzentrat (MAWC), Feedklärschlamm (FKS) sowie die bei der Fertigung der Brennelemente entstehenden radioaktiven Abfälle (BEF).

Die genaue Kenntnis der Zusammensetzung, des Aktivitäts- und Wärmeinventars von radioaktiven Abfälle ist für die Sicherheitsbetrachtungen für das Endlager von zentraler Bedeutung. So bewirkt beispielsweise der Zerfall der in den verglasten hochaktiven Abfällen enthaltenen Radionuklide eine Wärmefreisetzung, wodurch die Temperatur im Abfallprodukt und in der umgebenden Salzformation ansteigt. Damit verbunden sind geochemische und geomechanische Vorgänge, die mit der thermischen Belastung des Wirtsgesteins zunehmen [1,2].

Aus diesen Gründen wurden hier diese Abfalldaten berechnet und in graphischer bzw. tabellarischer Form zusammengestellt. Hierbei war das Ziel, eine Datenbasis zu schaffen, die für Parameterstudien sowohl zur Endlagerung als auch zur Abfallbehandlung zur Verfügung steht. Für die o.g. Abfallströme aus der Wiederaufarbeitung unterschiedlicher Reaktor-Brennstofftypen wurden folgende Daten zusammengestellt:

- die Elementzusammensetzung,
- die Aktivitätszusammensetzung,
- die Zusammensetzung der Wärmeleistung und
- die Wärmefreisetzung (kumulierte Wärme, d.h. das Zeitintegral der Wärmeleistung).

Alle Größen wurden als Funktion des Abfallalters berechnet. Für die Berechnungen wurde das KORIGEN-Rechenprogramm [3] verwendet mit konsistenter Bestimmung der reaktor-spezifischen Neutronen-Wirkungsquerschnitte.



Kapitel 2. Vorgaben für das Rechenmodell

2.1 Brennstoffzusammensetzung von Referenz-Reaktortypen

Die meisten der in der Bundesrepublik in Betrieb befindlichen Kernkraftwerke sind Leichtwasser-Reaktoren (LWR). Zur Vereinfachung der Rechenmethode wurde ein gängiger Druckwasser-Reaktor vom Typ Biblis mit 1300 MW elektrischer Leistung als Referenz-LWR genommen. Dabei wurde ein mittlerer Abbrand der Brennelemente von 40 GWd/tSM zugrunde gelegt. Die zugehörige Standzeit der Brennelemente im Reaktor-Core betrug 1000 Tage, die in drei Zyklen mit jeweils voller Reaktorleistung erreicht wurde.

Für die Beladung des Reaktor-Cores wurden fünf Varianten vorgegeben. Eine ausführliche Zusammenstellung der Reaktordaten mit den Brennelement-Zusammensetzungen findet sich in Tabelle 1. Als erste Variante (a) wurde ein Core betrachtet, das 100 % UO₂-Brennstoff mit einer Anfangsanreicherung von 3.6 % U-235 enthielt.

Die Wiederaufarbeitung verbrauchter Brennelemente bietet die Möglichkeit das wiedergewonnene Plutonium zu rezyklieren. Im Falle der Leichtwasser-Reaktoren wird dabei ein Teil der UO₂-Brennelemente ersetzt durch Uran/Plutonium-Mischoxid-Brennelemente (MOX-Brennelemente). Im Modell (b) wurde ein Reaktor-Core vorgegeben mit 90 % UO₂-Brennstoff (Anfangsanreicherung 3.6 % U-235) und 10 % MOX-Brennstoff der Natururan und 3.2 % spaltbares Plutonium der ersten Rückführungsgeneration enthielt.

Die gemeinsame Wiederaufarbeitung abgebrannten UO₂- und MOX-Brennstoffs, was in kommerziellen Wiederaufarbeitungsanlagen vorgesehen ist, wird begrenzt durch einen MOX-Anteil von 30 % [4]. Diesen Gleichgewichtszustand beinhaltet Variante (c) mit einer Reaktorbeladung von 70 % UO₂- und 30 % MOX-Brennstoff.

Weiterhin wurde eine mehrfache Rückführung des beim LWR-Betrieb und der darauffolgenden Wiederaufarbeitung anfallenden Plutoniums als zusätzliche Variante berücksichtigt. U. Fischer [4] errechnet eine Gleichgewichtszusammensetzung des MOX-Brennstoffs nach der fünften Rezyklierungsstufe. Diese Zusammensetzung wurde für die Variante (d) mit 10 % und Variante (e) mit 30 % MOX-Anteil im Reaktor-Core verwendet.

Als Referenz-Typ eines Schnellen Brut-Reaktors wurde der französische Superphenix 1 (SPX 1) mit 1300 MW elektrischer Anschlußleistung gewählt. Es wurde angenommen, daß das Reaktor-Core mit LWR-Plutonium der ersten Rückführungsgeneration beladen war. Eine Zusammenstellung der Daten findet sich in Tabelle 2. In den Berechnungen wurde eine Standzeit der Brennelemente, die aus Core und axialem Blanket bestehen, von 640 Tagen zugrunde gelegt. Sie wurde in zwei Betriebszyklen mit voller Reaktorleistung erreicht. Die Entnahme des Brennstoffs aus dem Core erfolgte mit einem Abbrand von 62.7 GWd/tSM für die innere und die äußere Core-Zone und mit 3.15 GWd/tSM für das axiale Blanket. Daraus errechnet sich ein über Core und axiales Blanket gemittelter Abbrand von 40.5 GWd/tSM, was etwa dem Vorgabewert für die LWR-Varianten entspricht.

Brennstoffzusammensetzung in g/tSM

	Reaktorbeladung mit UO_2 -Brennelementen	Reaktorbeladung mit UO_2 - und MOX-Brennelementen		
	UO_2 -Anteil 100%	UO_2 -Anteil 90% bzw. 70%	MOX-Anteil für 1.Rezyklierung 10% bzw. 30%	MOX-Anteil für 5.Rezyklierung 10% bzw. 30%
U 234	2.736E2	2.736E2	5.320E1	5.320E1
U 235	3.600E4	3.600E4	7.000E3	7.000E3
U 238	9.637E5	9.637E5	9.465E5	9.288E5
Pu238	---	---	6.967E2	1.365E3
Pu239	---	---	2.763E4	2.795E4
Pu240	---	---	1.129E4	1.833E4
Pu241	---	---	4.366E3	7.051E3
Pu242	---	---	2.462E3	9.423E3
Pu_{fiss}	---	---	3.200E4	3.500E4
Pu_{tot}	---	---	4.644E4	6.410E4

verwendete Daten für Wirkungsquerschnitte

$Datei \sigma_{gem.}$	33P3U ORNL78	33P3U ORNL78	33P3RM ORNL78	33P3RM ORNL78
$Datei \sigma_{Akt.}$	40P3U36KFKBIB	40P3U36KFKBIB	33P3RM28KFK1R	33P3RM32KFK5R

Reaktorbetriebsdaten

Referenzreaktor: Biblis , 1 300 MWe Brennelementstandzeit: 1 000 Tage in 3 Zyklen Entladeabbrand: 40 GWd/tSM (gemittelt)
--

Tabelle 1. : Referenzdaten für Leichtwasser-Reaktoren (LWR).

Brennstoffzusammensetzung in g/tSM

	Reaktorbeladung mit LWR-Plutonium		
	innere Corezone Anteil 33.2%	äußere Corezone Anteil 29.5%	axiales Blanket Anteil 37.3%
U 235	3.82E3	3.63E3	4.49E3
U 238	8.38E5	7.95E5	9.95E5
Pu238	2.67E3	3.40E3	---
Pu239	8.92E4	1.14E5	---
Pu240	3.73E4	4.76E4	---
Pu241	1.73E4	2.21E4	---
Pu242	8.94E3	1.14E4	---
Am241	2.54E3	3.24E3	---
Pu_{fiss}	1.07E5	1.36E5	---
$Pu_{tot.}$	1.55E5	1.99E5	---

verwendete Daten für Wirkungsquerschnitte wurden eingelesen

Reaktorbetriebsdaten

Referenzreaktor: Superphenix 1, 1240 MWe Brennelementstandzeit (Core und axiales Blanket): 640 Tage in 2 Zyklen Entladeabbrand: innere Corezone 62.7 GWd/tSM äußere Corezone 62.7 GWd/tSM axiales Blanket 3.15 GWd/tSM gemittelt 40.5 GWd/tSM

Tabelle 2. : Referenzdaten für Schnelle Brutreaktoren (SPX 1).

2.2 Daten für die Wiederaufarbeitung und die Brennelementfertigung

Entsprechend dem deutschen Konzept wurde eine Wiederaufarbeitung des verbrauchten LWR-Brennstoffs sieben Jahre nach Reaktorentnahme angenommen. Dieser Wiederaufarbeitungszeitpunkt wurde für alle hier beschriebenen LWR-Brennstofftypen gewählt. Den Berechnungen wurden Element-Abtrennfaktoren zugrunde gelegt die, in Tabelle 3 für die Spaltprodukte und in Tabelle 4 für die Aktinidennuklide wiedergegeben sind. Die angegebenen Werte basieren auf Referenzdaten des Projekts 'Wiederaufarbeitung und Abfallbehandlung' bzw. auf Analysen von Auflöser-Rückständen (Feedklärschlamm) [5-7]. Die für diesen Bericht gewählten Zusammensetzungen der Abfallströme HAWC, MAWC, FKS und der Abfälle aus der Brennelementfertigung (BEF) ergaben sich weiterhin unter folgenden Randbedingungen:

- (1) Die gasförmigen Elemente finden sich ganz (Kr, Xe) bzw. zum größten Teil (J) in der Anlagenabluft.
- (2) Die Summe der Uran- bzw. Plutoniumverluste in den hier beschriebenen Abfallströmen beträgt 2.63 % bzw. 2.3 % des wiederaufgearbeiteten Brennstoffinventars. Hiervon finden sich im HAWC jeweils 0.5 %.
- (3) Alle anderen Spaltprodukte und Aktinidennuklide aus der Brennstofflösung finden sich vollständig in den hier dargestellten Abfallströmen (z.B. H-3, C-14).
- (4) In den Abfallströmen aus der Wiederaufarbeitung wurden die Korrosionsprodukte, wie Reste in der Brennstofflösung aus der Korrosion der Brennelementhülsen nicht berücksichtigt.

Die Tabellen 5 und 6 geben die entsprechenden Zusammensetzungen dieser Abfallströme aus der Wiederaufarbeitung und Brennelementfertigung für einen zukünftigen Schnellbrüter-Brennstoffkreislauf. Im Gegensatz zum oben diskutierten LWR-Fall wurde hier eine deutlich kürzere Kühlzeit der Brennelemente zugrunde gelegt. So soll die Wiederaufarbeitung des verbrauchten SBR-Cores und des axialen Blankets, was in einer vom LWR-Brennstoffkreislauf getrennten SBR-Wiederaufarbeitungsanlage erfolgen könnte, ein Jahr nach Reaktorentnahme erfolgen. Im wesentlichen wurden die gleichen Randbedingungen (1) bis (4) wie oben diskutiert gewählt. Die Grundlage der Daten waren experimentelle Arbeiten [6] im Institut für Heiße Chemie des Kernforschungszentrums Karlsruhe.

Diese hier diskutierten Daten geben den Kenntnisstand bis ins Jahr 1989 wieder. Ergeben sich aufgrund neuerer F + E-Arbeiten andere Abtrennfaktoren für die Einzelelemente, so sind die hier dargestellten Ergebnisse entsprechend umzurechnen.

Tabelle 3. Referenzdaten für Abfälle aus dem LWR-Brennstoffkreislauf (Spaltprodukte)

Spaltprodukt-Zusammensetzung von Abfällen aus dem LWR-Brennstoffkreislauf (UO ₂ - und MOX-Brennelemente)							
(Angaben in Prozent der Zusammensetzung vor der Wiederaufarbeitung)							
Element	OZ	Wiederaufarbeitung (WA)			Brennelement- fertigung (BEF)	Summe (WA + BEF)	
		HAWC	MAWC	FKS			
Ge	32	99.90	0.10	0.00	0.0	100.00	
As	33	99.90	0.10	0.00	0.0	100.00	
Se	34	59.90	0.10	40.00 {40}	0.0	100.00	
Br	35	99.99	0.01	0.00	0.0	100.00	
Kr	36	0.00	0.00	0.00	0.0	0.00	
Rb	37	99.99	0.01	0.00 {0.1}	0.0	100.00	
Sr	38	99.99	0.01 (0.01)	0.00	0.0	100.00	
Y	39	99.79	0.01 (0.01)	0.20 {0.2}	0.0	100.00	
Zr	40	64.65	0.35 (0.50)	35.00 [(3.5)]{35}	0.0	100.00	
Nb	41	4.99	0.01	95.00 {100}	0.0	100.00	
Mo	42	49.95 [(90)]	0.05 (0.1)	50.00 [(9.7)]{50}	0.0	100.00	
Tc	43	79.95 [(93)]	0.05 (0.1)	20.00 [(7.1)]{20}	0.0	100.00	
Ru	44	39.80 [(63)]	0.20 (1.00)	60.00 [(37.1)]{60}	0.0	100.00	
Rh	45	49.82 [(64)]	0.18 (1.00)	50.00 [(35.7)]{50}	0.0	100.00	
Pd	46	79.94 [(90)]	0.06 (1.00)	20.00 [(10.3)]{35}	0.0	100.00	
Ag	47	4.99 [(30)]	0.01 (1.00)	95.00 [(70.5)]{100}	0.0	100.00	
Cd	48	79.99	0.01	20.00 [(21.3)]{20}	0.0	100.00	
In	49	99.99	0.01	0.00	0.0	100.00	
Sn	50	19.90 [(60)]	0.10 (0.1)	80.00 [(40.1)]{80}	0.0	100.00	
Sb	51	4.93 [(41)]	0.07 (0.1)	95.00 [(59.0)]{100}	0.0	100.00	
Te	52	59.90 [(82)]	0.10 (0.1)	40.00 [(17.7)]{40}	0.0	100.00	
J	53	0.01	0.01	0.00 {0.1}	0.0	0.02	
Xe	54	0.00	0.00	0.00	0.0	0.00	
Cs	55	99.99	0.01 (0.01)	0.00 [(0.15)]{0.1}	0.0	100.00	
Ba-Er	56-68	99.99	0.01 (0.01)	0.00 {0.1}	0.0	100.00	

() Bähr, Kraemer , 1986 [5]
 [] Ochsenfeld , 1986 [6]
 { } Kroebel, Kraemer , 1987 [7]

Tabelle 4. Referenzdaten für Abfälle aus dem LWR-Brennstoffkreislauf (Aktiniden)

Aktiniden-Zusammensetzung von Abfällen aus dem LWR-Brennstoffkreislauf (UO ₂ - und MOX-Brennelemente)						
(Angaben in Prozent der Zusammensetzung vor der Wiederaufarbeitung)						
Element	OZ	Wiederaufarbeitung (WA)			Brennelement- fertigung (BEF)	Summe (WA + BEF)
		HAWC	MAWC	FKS		
Tl-Pd	81-91	100.00	0.00	0.00	0.0	100.00
U	92	0.50 [(0.5)]	0.10 (0.3)	0.03 [(0.018)]{0.03}	2.0	2.63
Np	93	99.50 [(99)]	0.50 (0.5)	0.0 {0.1}	0.0	100.00
Pu	94	0.50 [(0.5)]	0.10 (0.2)	0.50 [(0.20)]{0.5}	1.2	2.30
Am	95	99.29 [(99.9)]	0.01 (0.01)	0.70 [(0.70)]{0.1}	0.0	100.00
Cm	96	99.99 [(99.9)]	0.01 (0.01)	0.00 {0.1}	0.0	100.00
Bk	97	100.00	0.00	0.00	0.0	100.00
Cf	98	100.00	0.00	0.00	0.0	100.00

() Bähr, Kraemer , 1986 [5]
 [] Ochsenfeld , 1986 [6]
 { } Kroebel, Kraemer , 1987 [7]

Tabelle 5. Referenzdaten für Abfälle aus dem SBR-Brennstoffkreislauf
 (Spaltprodukte)

Spaltprodukt-Zusammensetzung von Abfällen aus dem SBR-Brennstoffkreislauf (Wiederaufarbeitung von SBR-Core und axialem Blanket)						
(Angaben in Prozent der Zusammensetzung vor der Wiederaufarbeitung)						
Element	CZ	Wiederaufarbeitung (WA)			Brennelement- fertigung (BEF)	Summe (WA + BEF)
		HAWC	MAWC	FKS		
Ge	32	99.90	0.10	0.00	0.0	100.00
As	33	99.90	0.10	0.00	0.0	100.00
Se	34	99.90	0.10	0.00	0.0	100.00
Br	35	99.99	0.01	0.00	0.0	100.00
Kr	36	0.00	0.00	0.00	0.0	0.00
Rb	37	99.99	0.01	0.00	0.0	100.00
Sr	38	99.99	0.01 (0.01)	0.00	0.0	100.00
Y	39	99.99	0.01 (0.01)	0.00	0.0	100.00
Zr	40	68.65	0.35 (0.50)	31.00 [31]	0.0	100.00
Nb	41	99.99	0.01	0.00	0.0	100.00
Mo	42	51.95 [(52)]	0.05 (0.1)	48.00 [(48)]	0.0	100.00
Tc	43	53.95 [(54)]	0.05 (0.1)	46.00 [(46)]	0.0	100.00
Ru	44	42.80 [(43)]	0.20 (1.00)	57.00 [(57)]	0.0	100.00
Rh	45	34.82 [(35)]	0.18 (1.00)	65.00 [(65)]	0.0	100.00
Pd	46	63.94 [(64)]	0.06 (1.00)	36.00 [(36)]	0.0	100.00
Ag	47	99.99 [(100)]	0.01	0.00	0.0	100.00
Cd	48	99.99	0.01	0.00	0.0	100.00
In	49	99.99	0.01	0.00	0.0	100.00
Sn	50	99.90 [(100)]	0.10 (0.1)	0.00	0.0	100.00
Sb	51	67.93 [(68)]	0.07 (0.1)	32.00 [(32)]	0.0	100.00
Te	52	99.90 [(100)]	0.10 (0.1)	0.00	0.0	100.00
J	53	0.01	0.01	0.00	0.0	0.02
Xe	54	0.00	0.00	0.00	0.0	0.00
Cs	55	99.99	0.01 (0.01)	0.00	0.0	100.00
Ba-Er	56-68	99.99	0.01	0.00	0.0	100.00

() Bähr, Kraemer , 1986 [5]
 [] Ochsenfeld , 1986 [6]

Tabelle 6. Referenzdaten für Abfälle aus dem SBR-Brennstoffkreislauf (Aktiniden)

Aktiniden-Zusammensetzung von Abfällen aus dem SBR-Brennstoffkreislauf (Wiederaufarbeitung von SBR-Core und axialem Blanket)						
(Angaben in Prozent der Zusammensetzung vor der Wiederaufarbeitung)						
Element	OZ	Wiederaufarbeitung (WA)			Brennelement- fertigung (BEF)	Summe (WA + BEF)
		HAWC	MAWC	FKS		
Tl-Pd	81-91	100.00	0.00	0.00	0.0	100.00
U	92	0.50 [(0.5)]	0.10 (0.3)	0.10 [(0.10)]	2.0	2.70
Np	93	99.50 [(99)]	0.50 (0.5)	0.0	0.0	100.00
Pu	94	0.50 [(0.5)]	0.10 (0.2)	0.50 [(0.50)]	1.2	2.30
Am	95	99.99 [(99.9)]	0.01 (0.01)	0.00	0.0	100.00
Cm	96	99.99 [(99.9)]	0.01 (0.01)	0.00	0.0	100.00
Bk	97	100.00	0.00	0.00	0.0	100.00
Cf	98	100.00	0.00	0.00	0.0	100.00

() Bähr, Kraemer , 1986 [5]
 [] Ochsenfeld , 1986 [6]

Kapitel 3. Rechenergebnisse

3.1 Graphische Darstellung der Aktivität, Wärmeleistung und Wärmefreisetzung als Funktion des Abfallalters

Abfallstrom	Rezyklierungsgrad	Seitenzahl
HAWC	1	12/13
MAWC	1	14/15
FKS	1	16/17
BEF	1	18/19
Summe	1	20/21
HAWC	5	22/23
MAWC	5	24/25
FKS	5	26/27
BEF	5	28/29
Summe	5	30/31

Tabelle 7. Übersichtstabelle I: Reihenfolge und Seitenangabe der Graphiken zu den einzelnen Fällen der Parameterstudie.

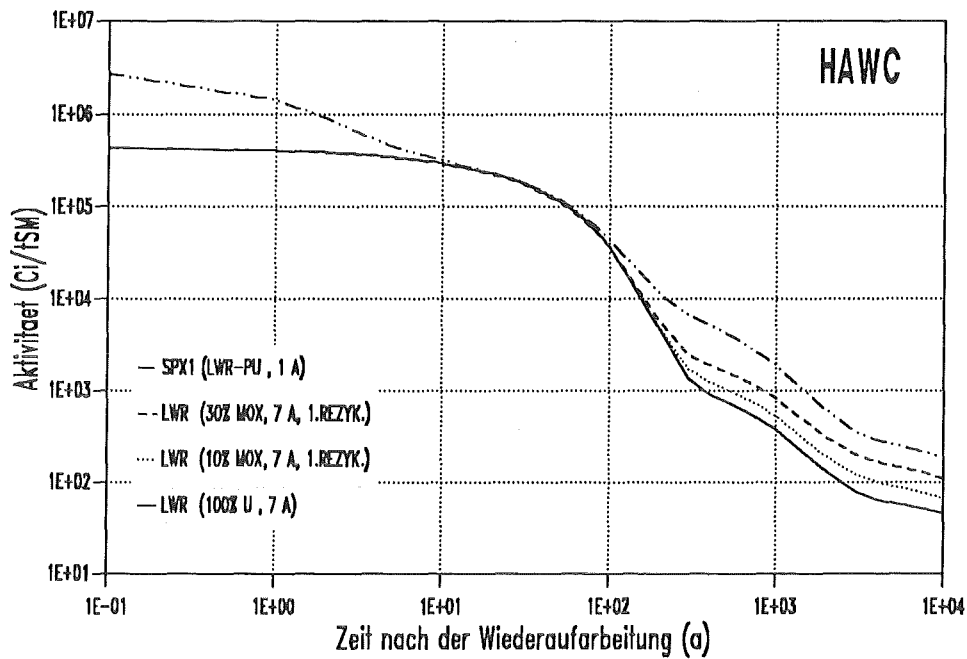


Abbildung 1. : Aktivität des HAWC nach der Wiederaufarbeitung von LWR- und SBR-Brennelementen mit 40 GWd/tSM Abbrand.

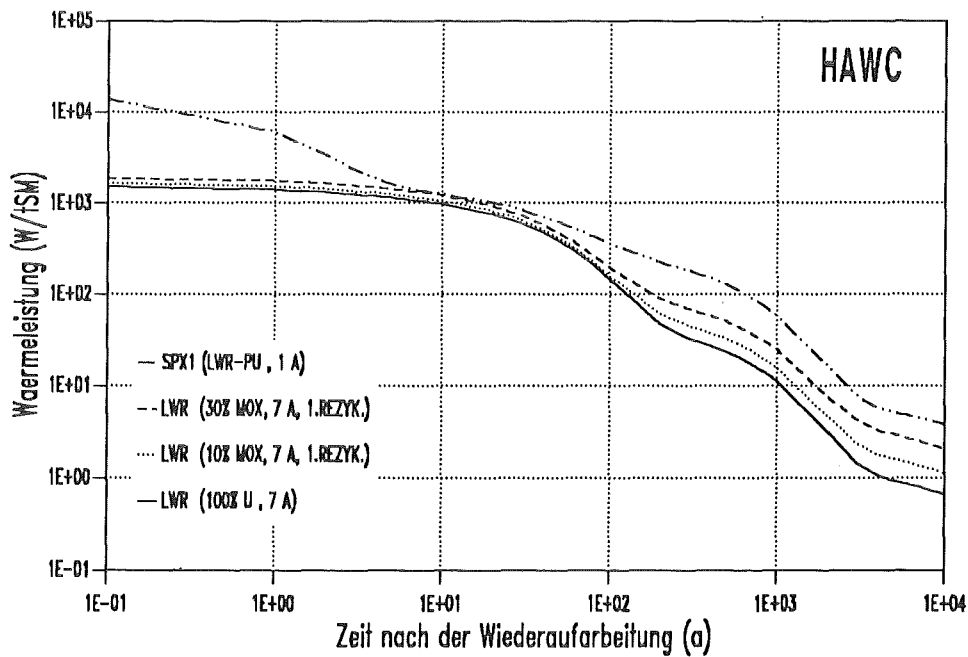


Abbildung 2. : Wärmeleistung des HAWC nach der Wiederaufarbeitung von LWR- und SBR-Brennelementen mit 40 GWd/tSM Abbrand.

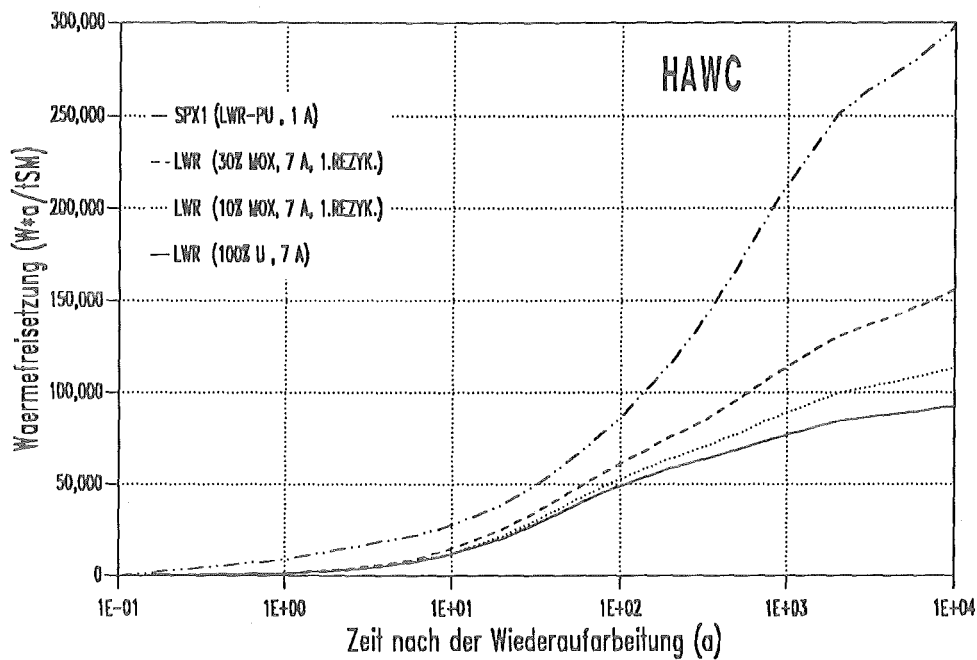


Abbildung 3. : Waerme freisetzung des HAWC nach der Wiederaufarbeitung von LWR- und SBR-Brennelementen mit 40 GWd/tSM Abbrand.

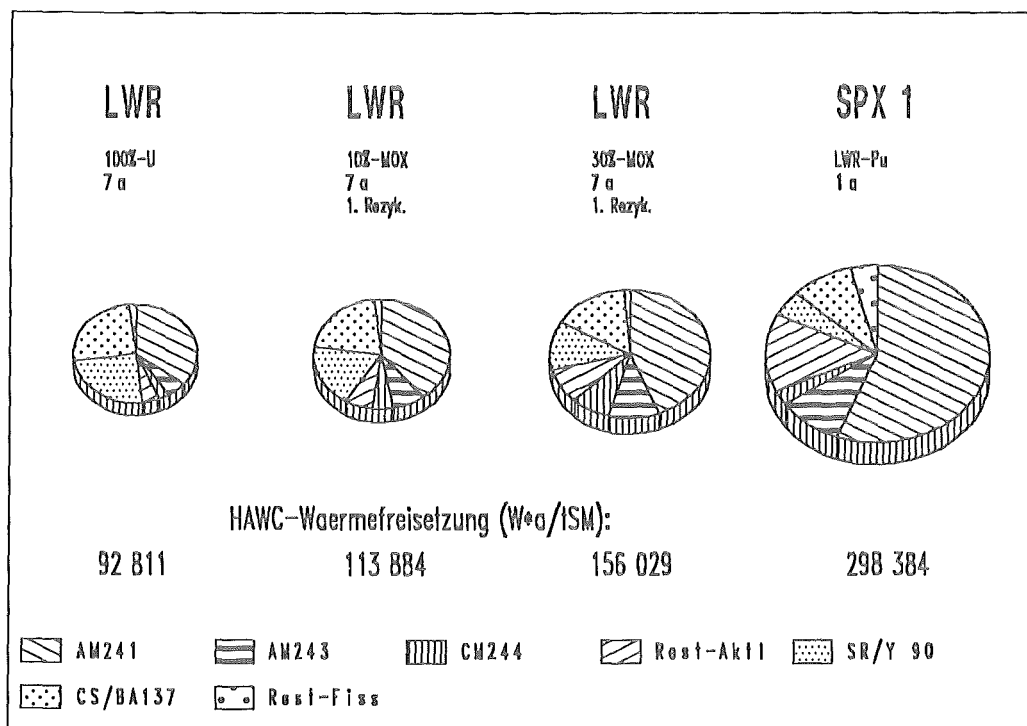


Abbildung 4. : Zusammensetzung der freigesetzten Waerme des HAWC 10 000 Jahre nach der Wiederaufarbeitung von LWR- und SBR-Brennelementen mit 40 GWd/tSM Abbrand.

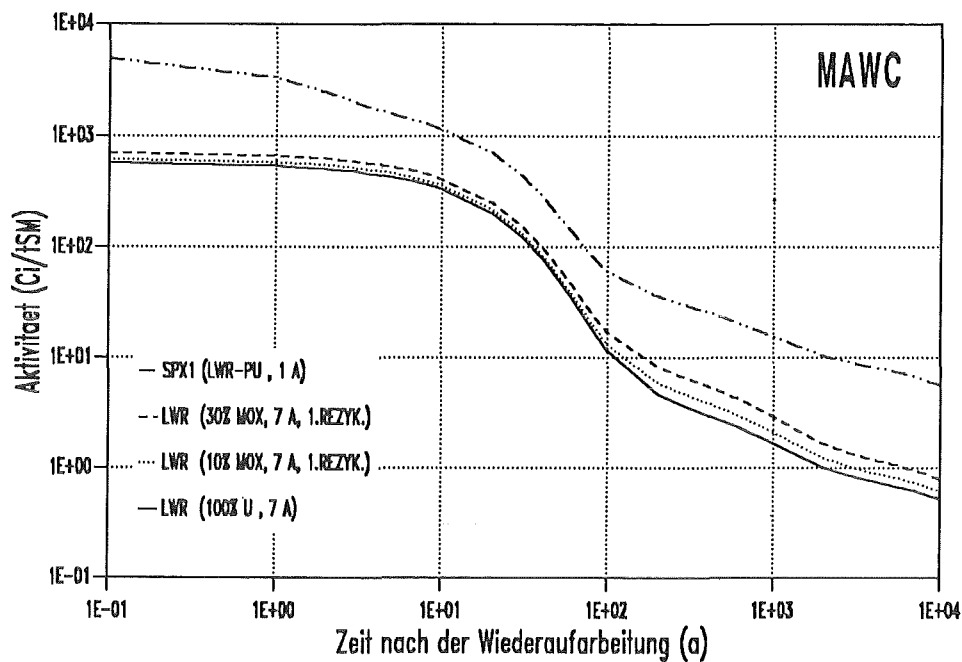


Abbildung 5. : Aktivität des MAWC nach der Wiederaufarbeitung von LWR- und SBR-Brennelementen mit 40 GWd/tSM Abbrand.

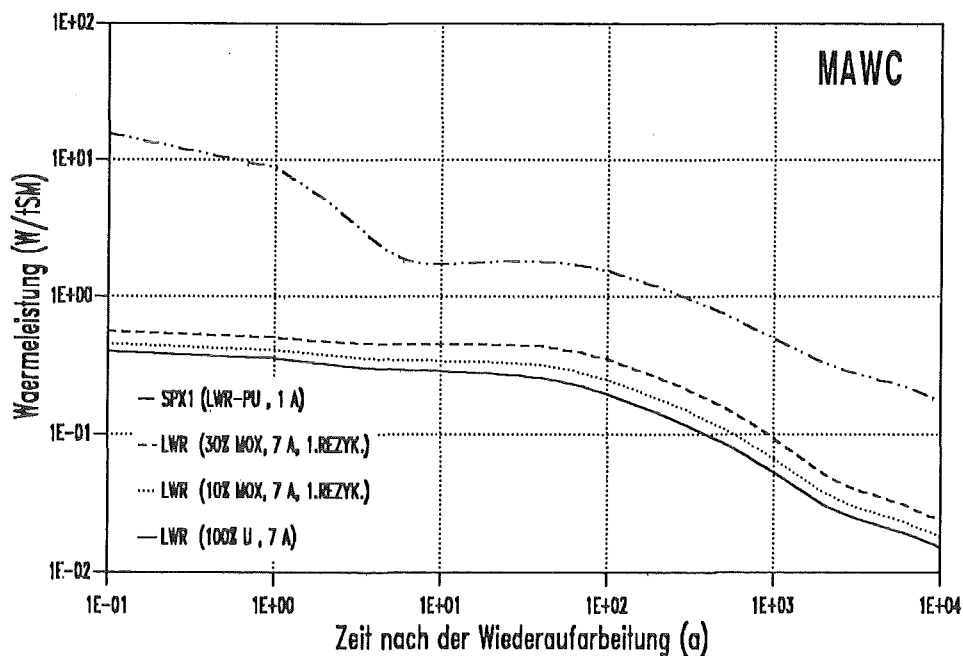


Abbildung 6. : Wärmeleistung des MAWC nach der Wiederaufarbeitung von LWR- und SBR-Brennelementen mit 40 GWd/tSM Abbrand.

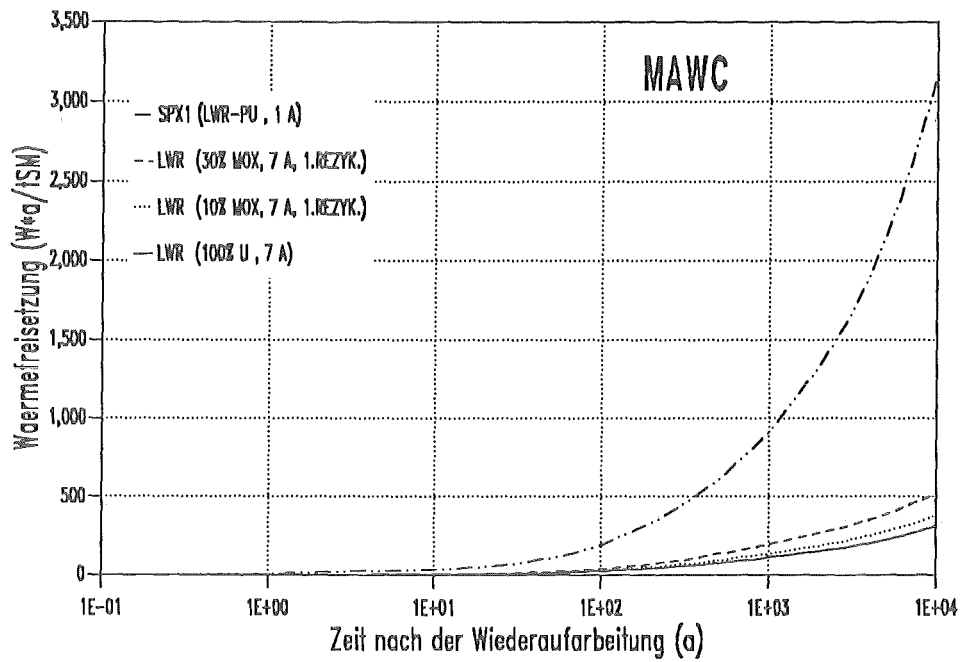


Abbildung 7. : Wärmefreisetzung des MAWC nach der Wiederaufarbeitung von LWR- und SBR-Brennelementen mit 40 GWd/tSM Abbrand.

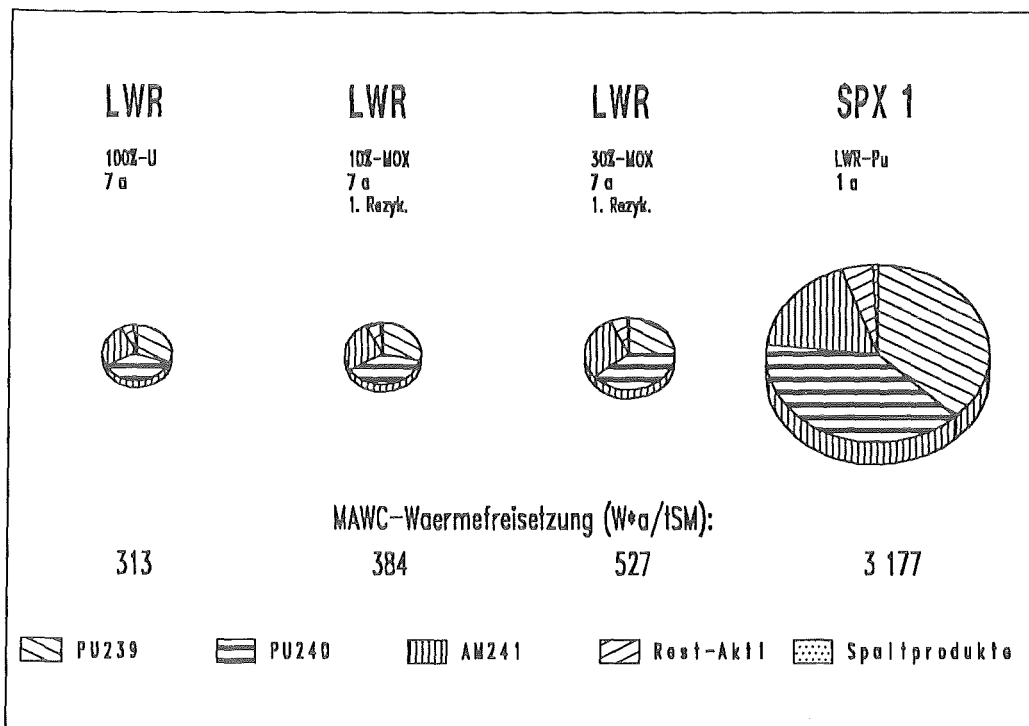


Abbildung 8. : Zusammensetzung der freigesetzten Wärme des MAWC 10 000 Jahre nach der Wiederaufarbeitung von LWR- und SBR-Brennelementen mit 40 GWd/tSM Abbrand.

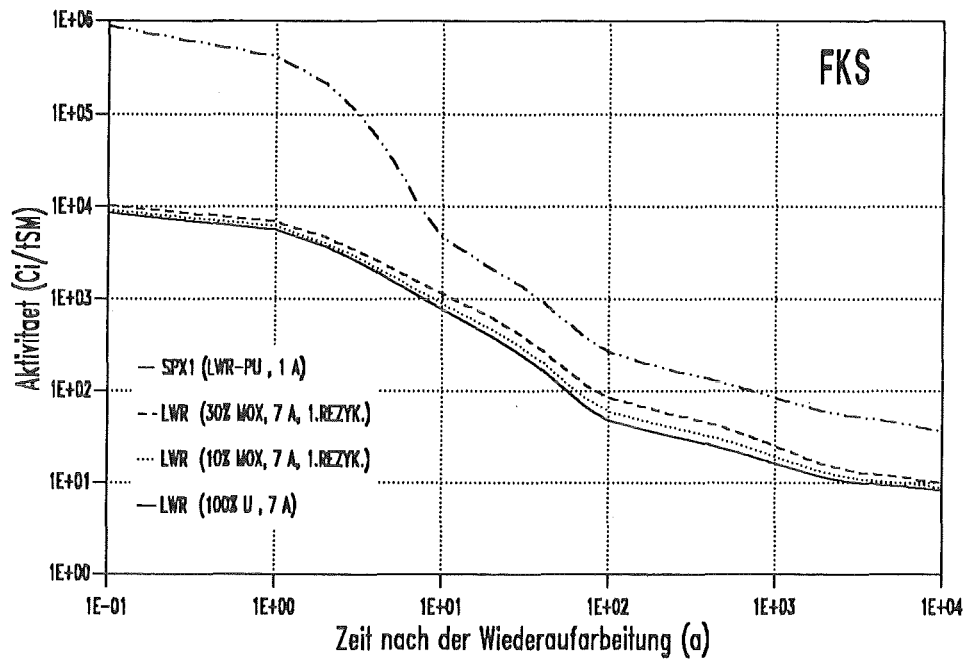


Abbildung 9. : Aktivität des FKS nach der Wiederaufarbeitung von LWR- und SBR-Brennelementen mit 40 GWd/tSM Abbrand.

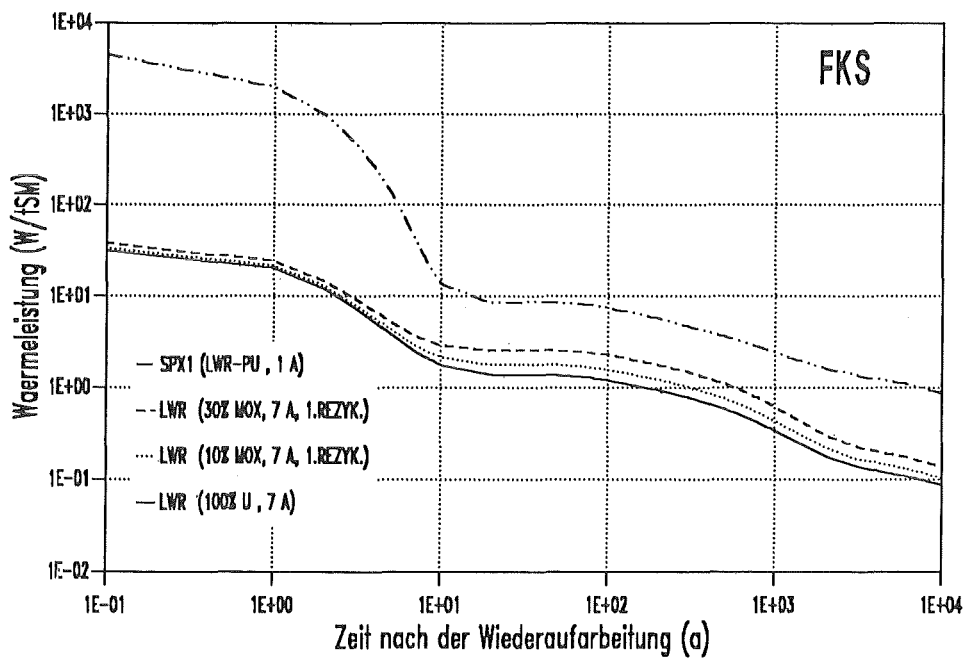


Abbildung 10. : Wärmeleistung des FKS nach der Wiederaufarbeitung von LWR- und SBR-Brennelementen mit 40 GWd/tSM Abbrand.

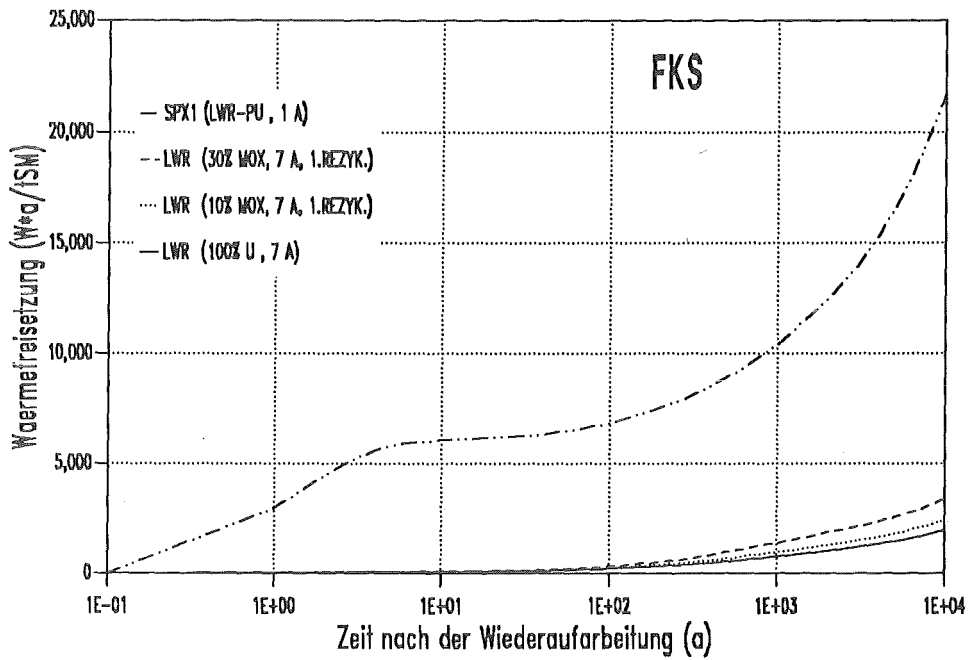


Abbildung 11. : Wärmefreisetzung des FKS nach der Wiederaufarbeitung von LWR- und SBR-Brennelementen mit 40 GWd/tSM Abbrand.

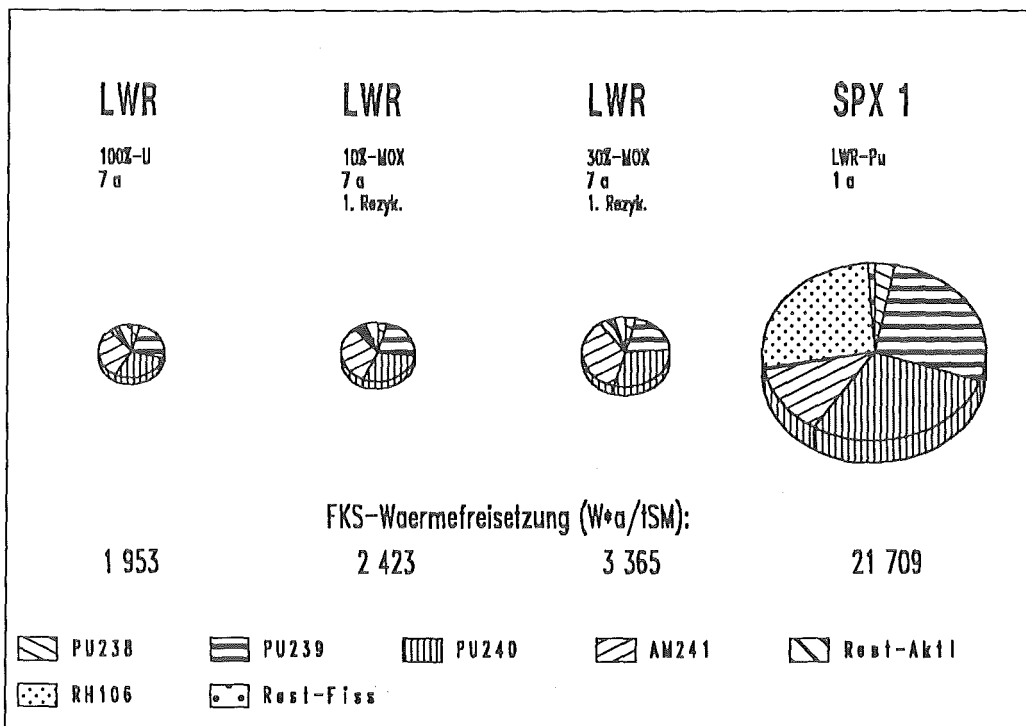


Abbildung 12. : Zusammensetzung der freigesetzten Wärme des FKS 10 000 Jahre nach der Wiederaufarbeitung von LWR- und SBR-Brennelementen mit 40 GWd/tSM Abbrand.

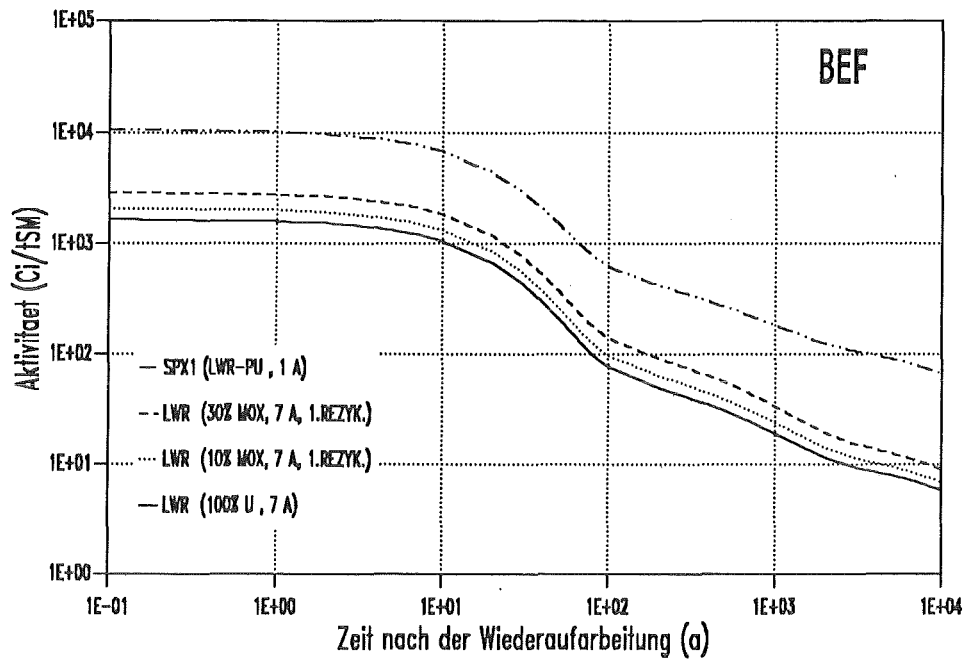


Abbildung 13. : Aktivität des BEF nach der Wiederaufarbeitung von LWR- und SBR-Brennelementen mit 40 GWd/tSM Abbrand.

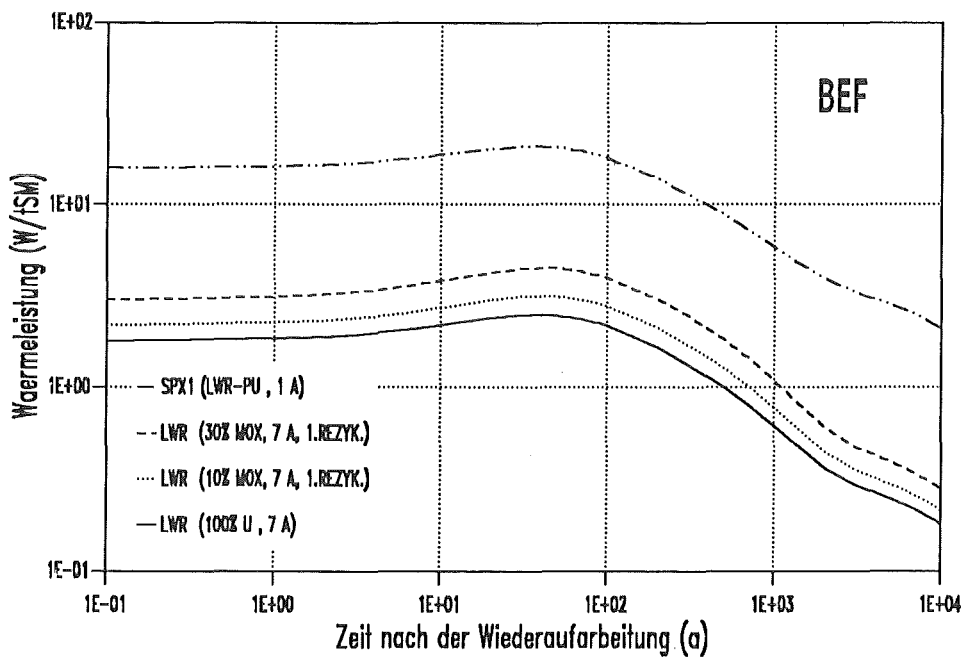


Abbildung 14. : Wärmeleistung des BEF nach der Wiederaufarbeitung von LWR- und SBR-Brennelementen mit 40 GWd/tSM Abbrand.

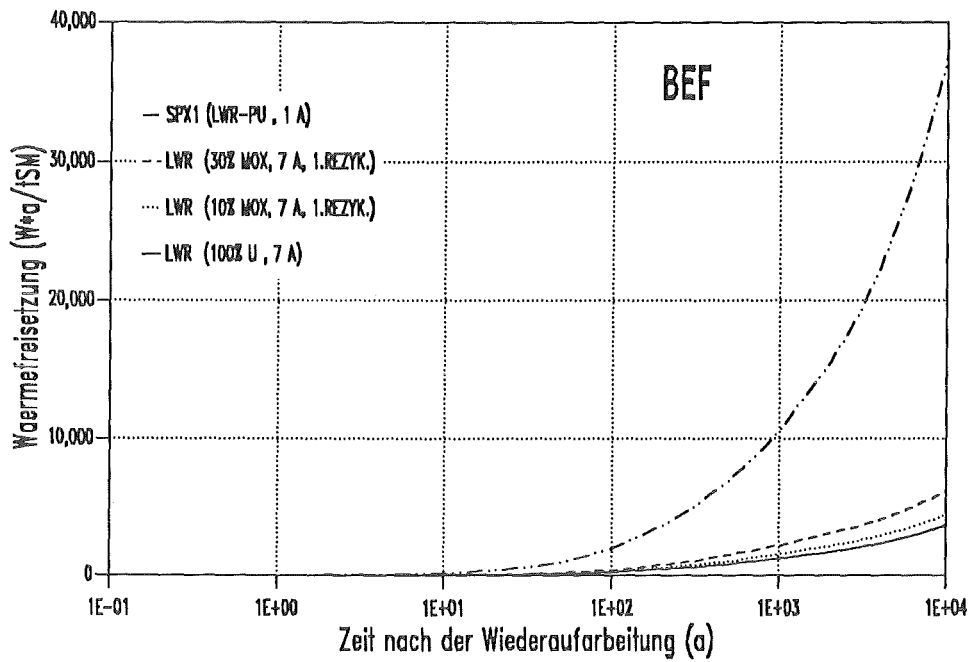


Abbildung 15. : Waermerfreisetzung des BEF nach der Wiederaufarbeitung von LWR- und SBR-Brennelementen mit 40 GWd/tSM Abbrand.

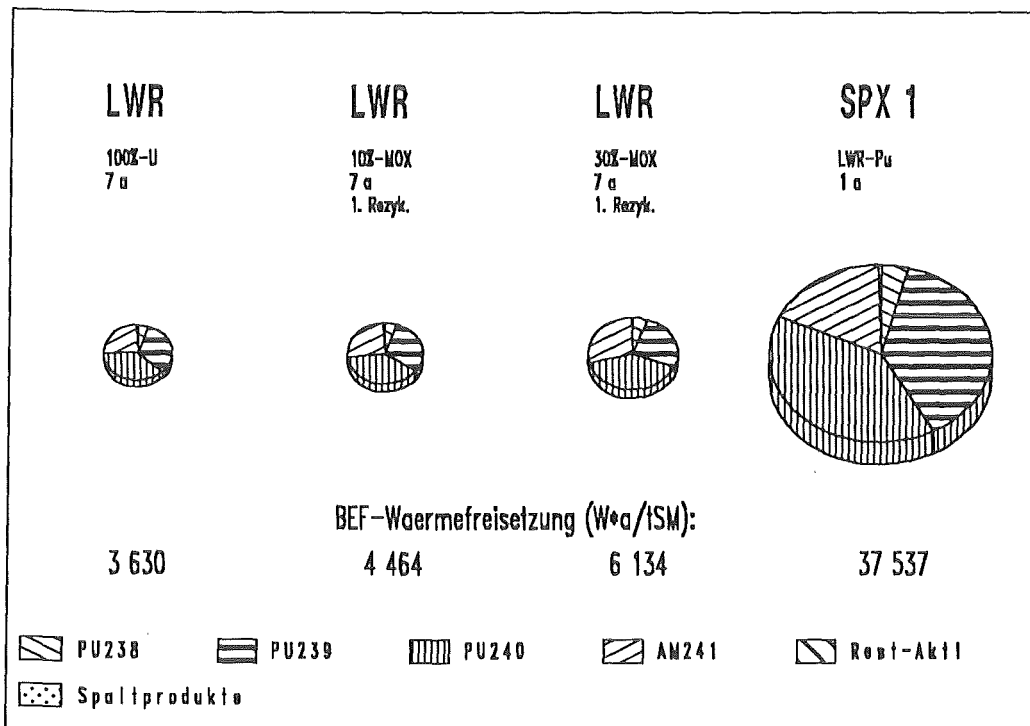


Abbildung 16. : Zusammensetzung der freigesetzten Waerme des BEF 10 000 Jahre nach der Wiederaufarbeitung von LWR- und SBR-Brennelementen mit 40 GWd/tSM Abbrand.

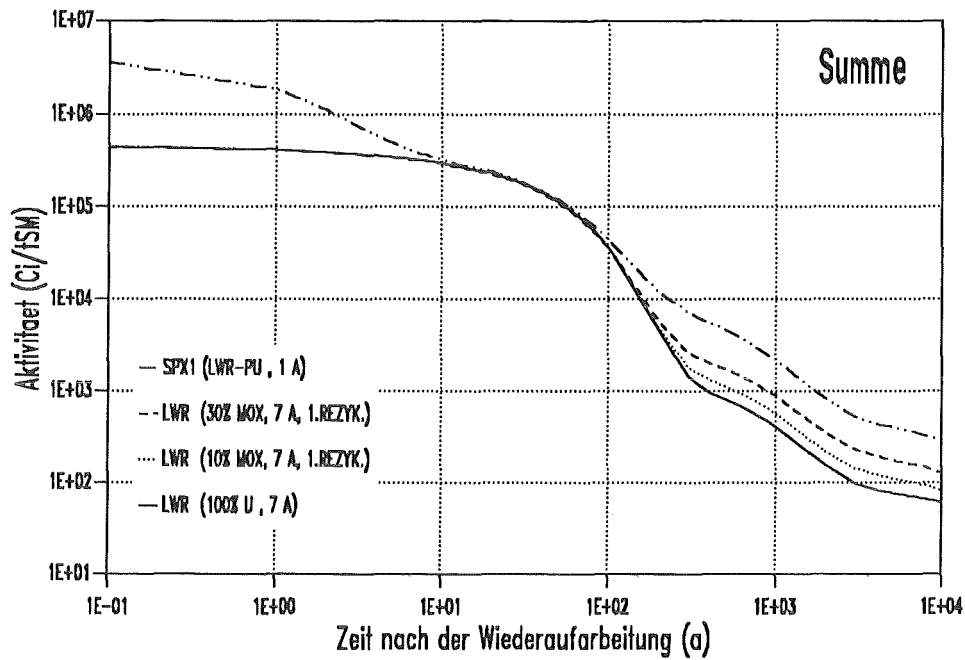


Abbildung 17. : Aktivität der Summe von WA und BEF nach der Wiederaufarbeitung von LWR- und SBR-Brennelementen mit 40 GWd/tSM Abbrand.

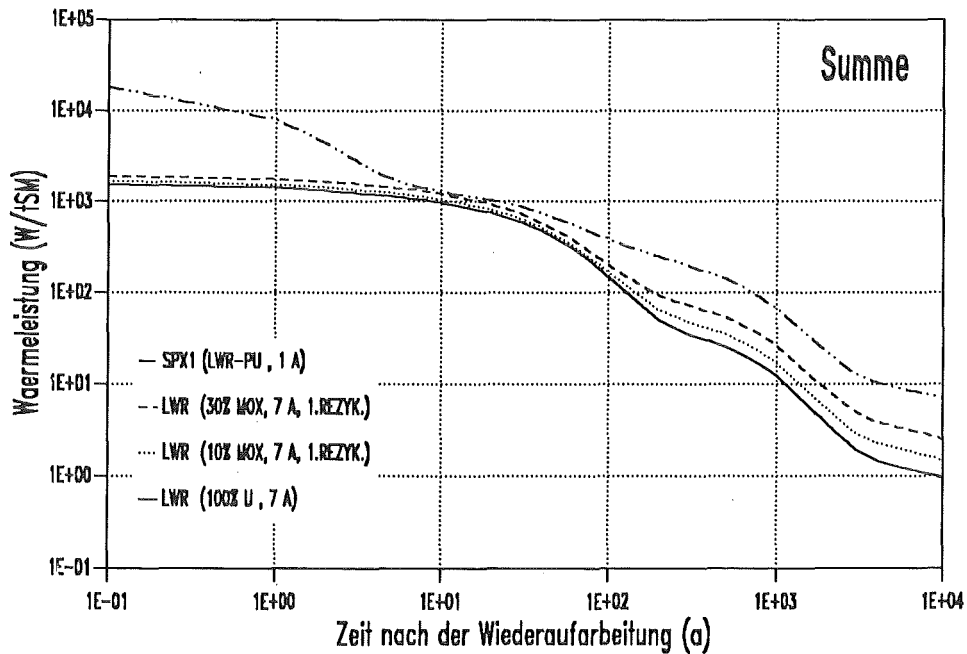


Abbildung 18. : Wärmeleistung der Summe von WA und BEF nach der Wiederaufarbeitung von LWR- und SBR-Brennelementen mit 40 GWd/tSM Abbrand.

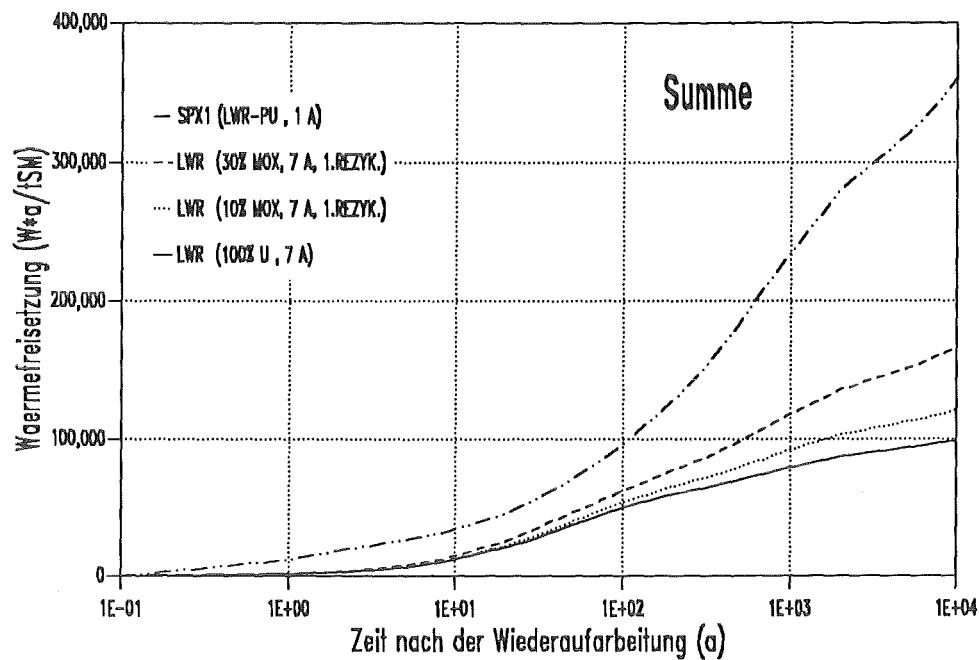


Abbildung 19. : Waerme freisetzung der Summe von WA und BEF nach der Wiederaufarbeitung von LWR- und SBR-Brennelementen mit 40 GWd/tSM Abbrand.

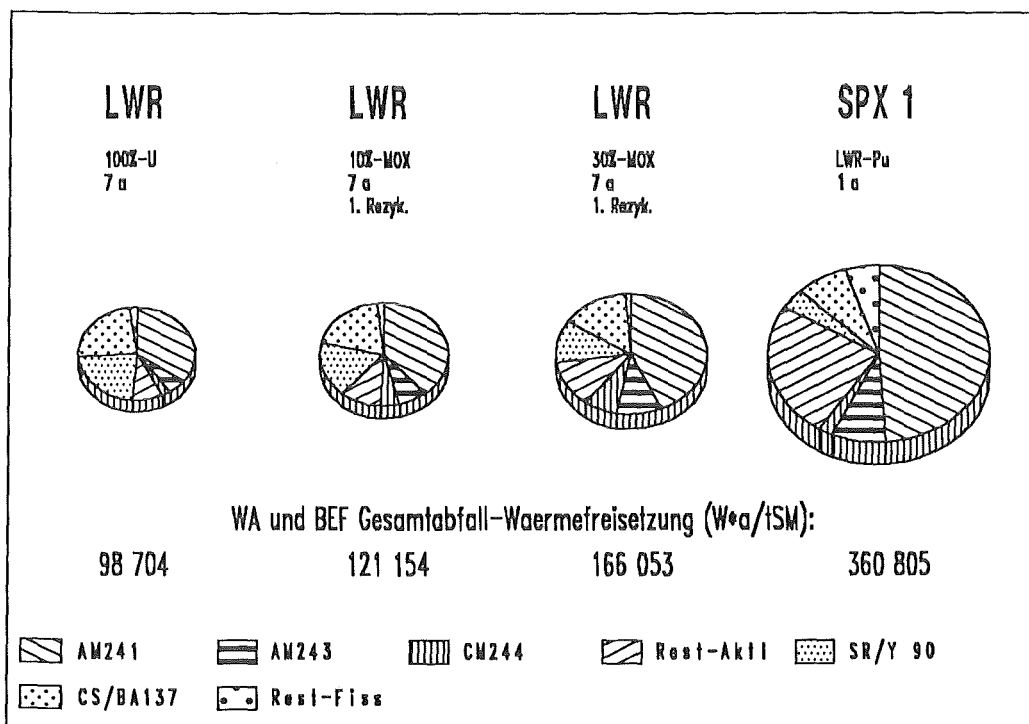


Abbildung 20. : Zusammensetzung der freigesetzten Waerme der Summe von WA und BEF 10 000 Jahre nach der Wiederaufarbeitung von LWR- und SBR-Brennelementen mit 40 GWd/tSM Abbrand.

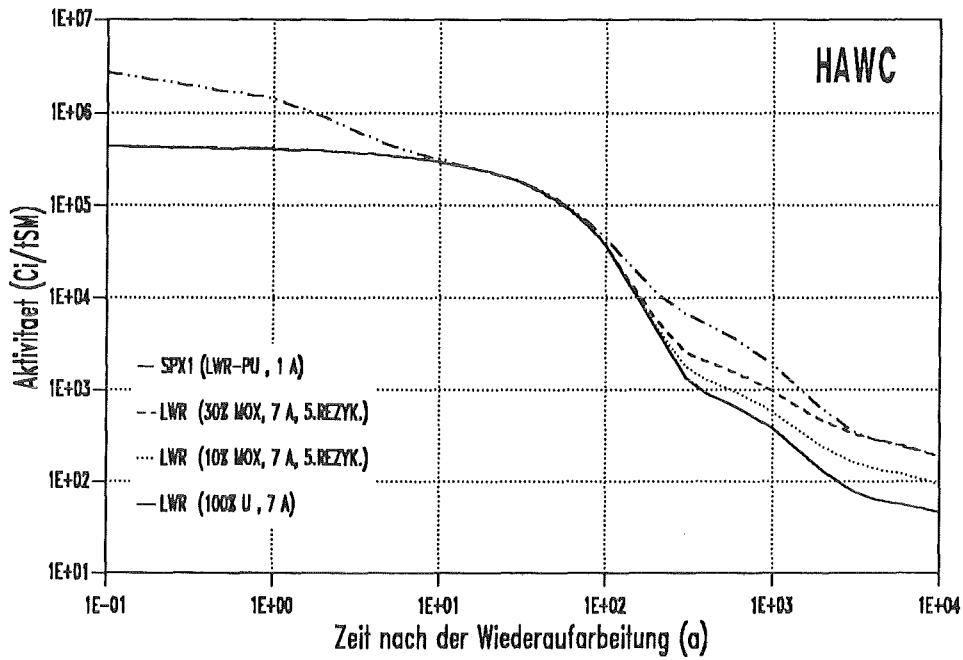


Abbildung 21. : Aktivität des HAWC nach der Wiederaufarbeitung von LWR- und SBR-Brennelementen mit 40 GWd/tSM Abbrand.

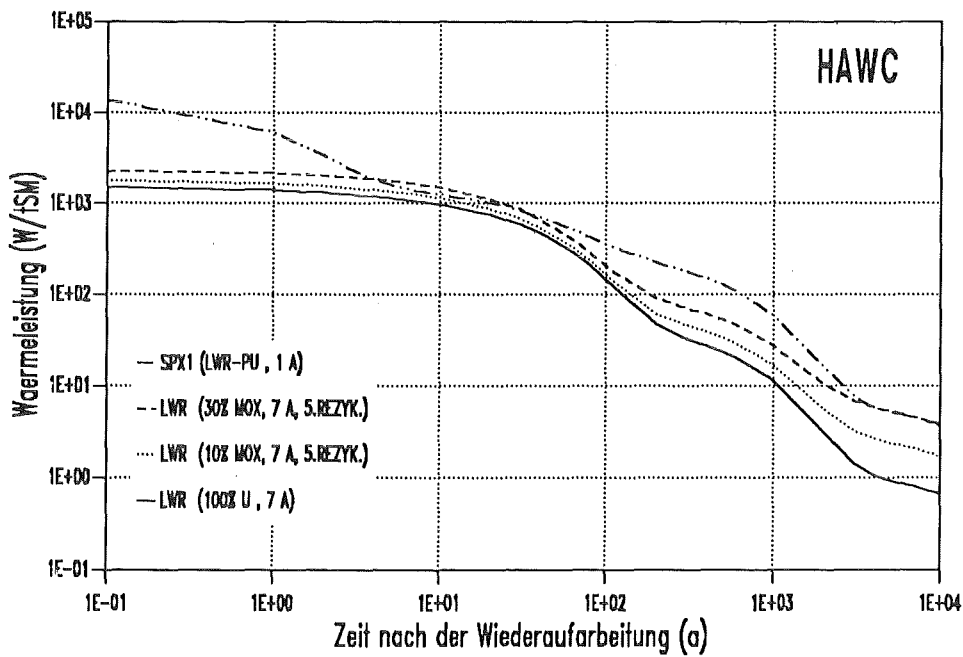


Abbildung 22. : Wärmeleistung des HAWC nach der Wiederaufarbeitung von LWR- und SBR-Brennelementen mit 40 GWd/tSM Abbrand.

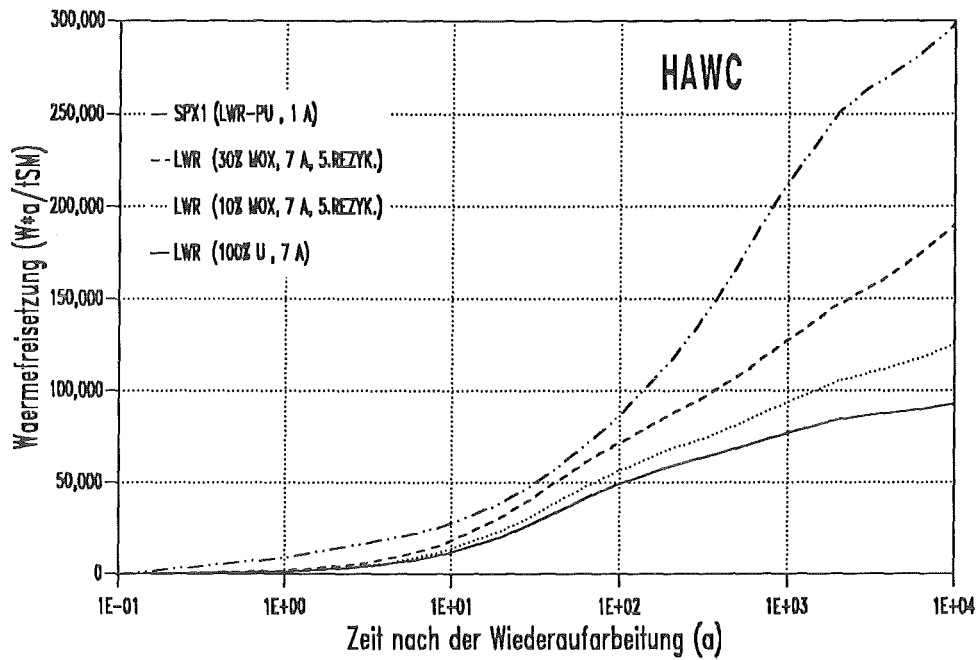


Abbildung 23. : Waerme freisetzung des HAWC nach der Wiederaufarbeitung von LWR- und SBR-Brennelementen mit 40 GWd/tSM Abbrand.

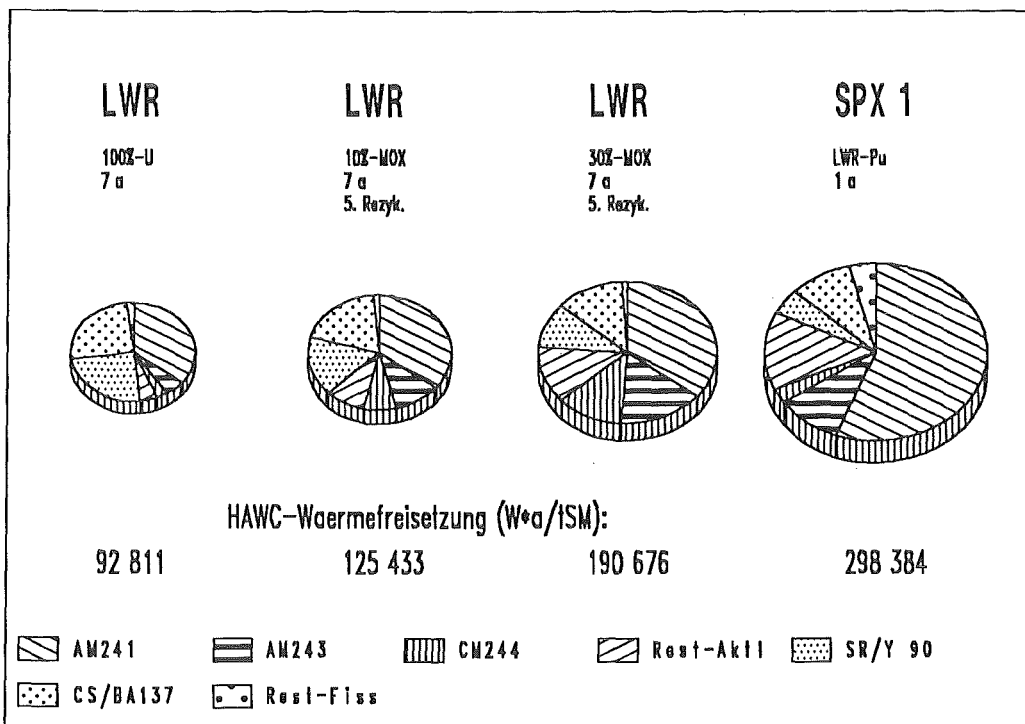


Abbildung 24. : Zusammensetzung der freigesetzten Waerme des HAWC 10 000 Jahre nach der Wiederaufarbeitung von LWR- und SBR-Brennelementen mit 40 GWd/tSM Abbrand.

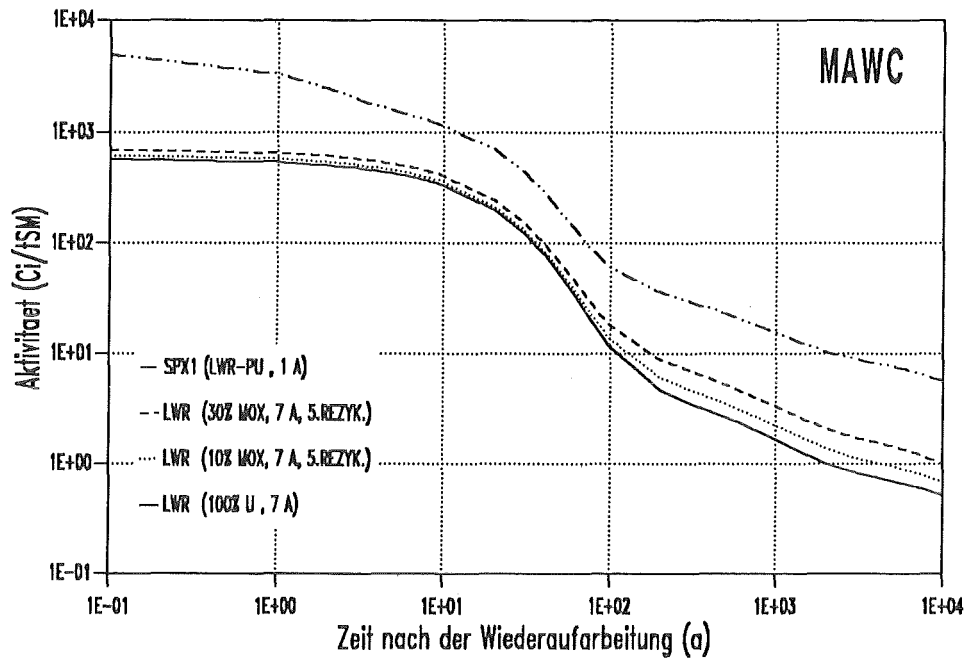


Abbildung 25. : Aktivität des MAWC nach der Wiederaufarbeitung von LWR- und SBR-Brennelementen mit 40 GWd/tSM Abbrand.

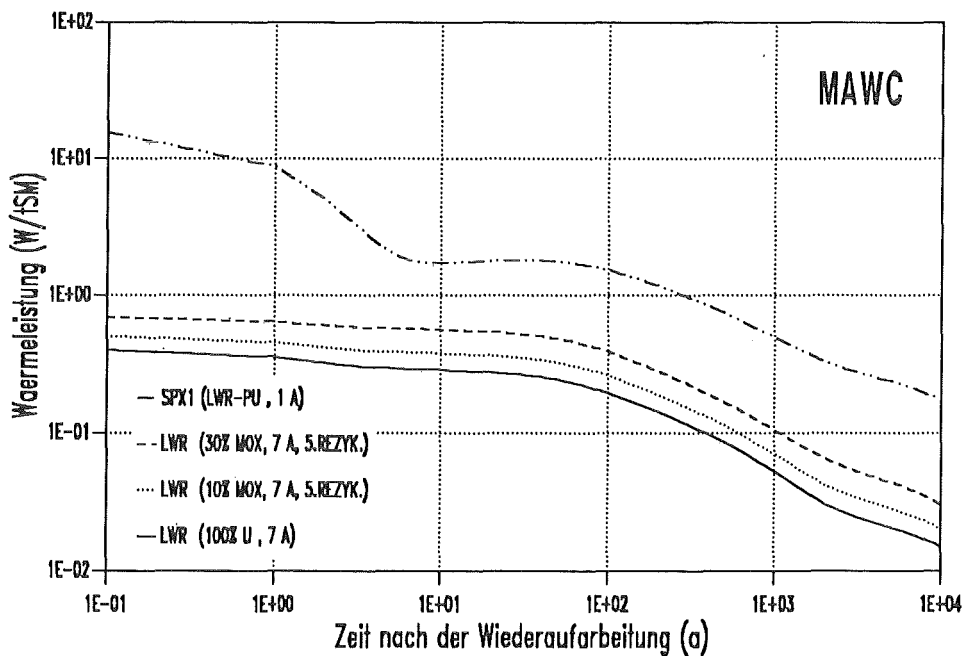


Abbildung 26. : Wärmeleistung des MAWC nach der Wiederaufarbeitung von LWR- und SBR-Brennelementen mit 40 GWd/tSM Abbrand.

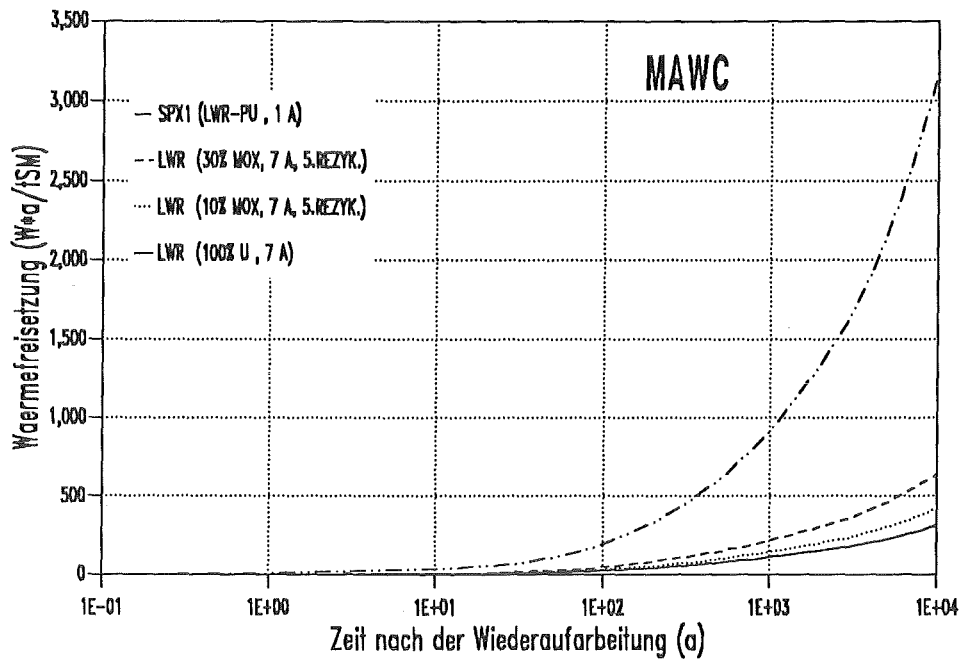


Abbildung 27. : Waermefreisetzung des MAWC nach der Wiederaufarbeitung von LWR- und SBR-Brennelementen mit 40 GWd/tSM Abbrand.

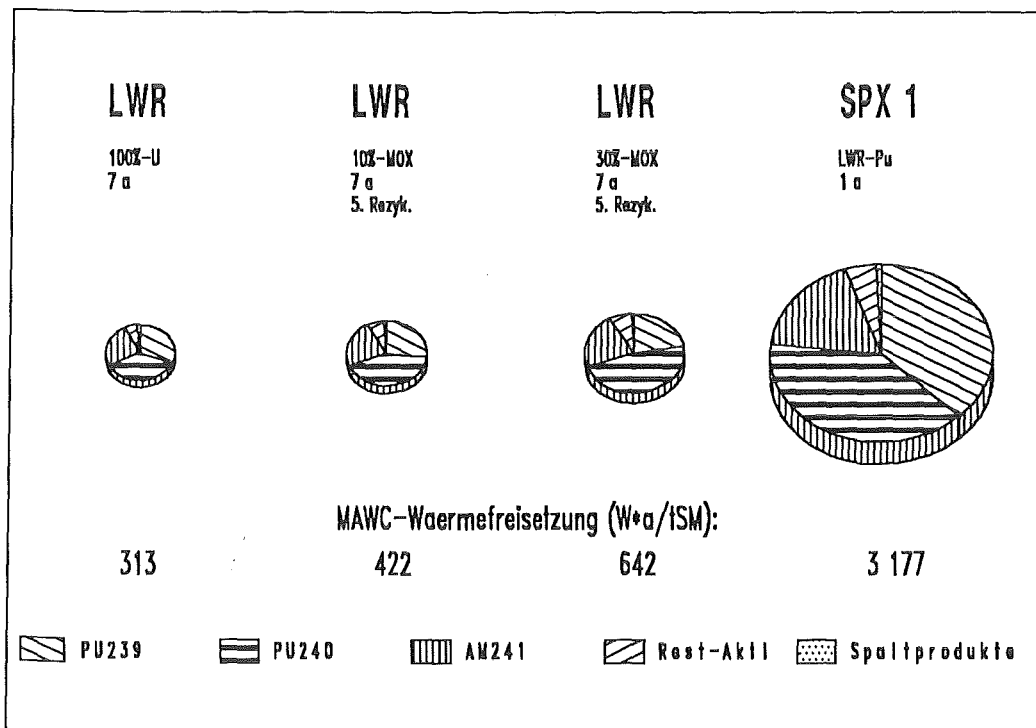


Abbildung 28. : Zusammensetzung der freigesetzten Waerme des MAWC 10 000 Jahre nach der Wiederaufarbeitung von LWR- und SBR-Brennelementen mit 40 GWd/tSM Abbrand.

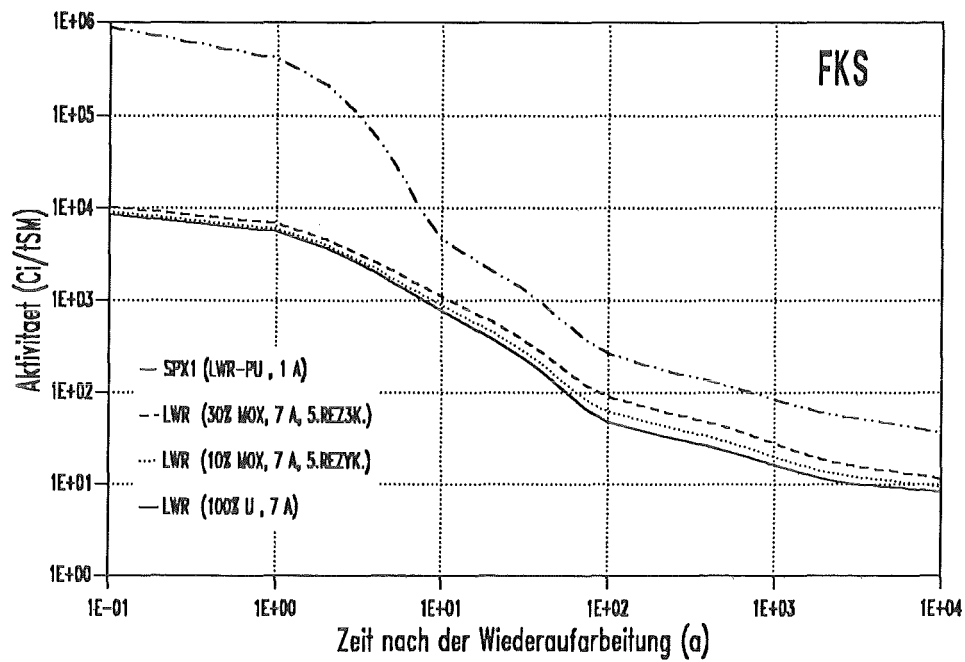


Abbildung 29. : Aktivität des FKS nach der Wiederaufarbeitung von LWR- und SBR-Brennelementen mit 40 GWd/tSM Abbrand.

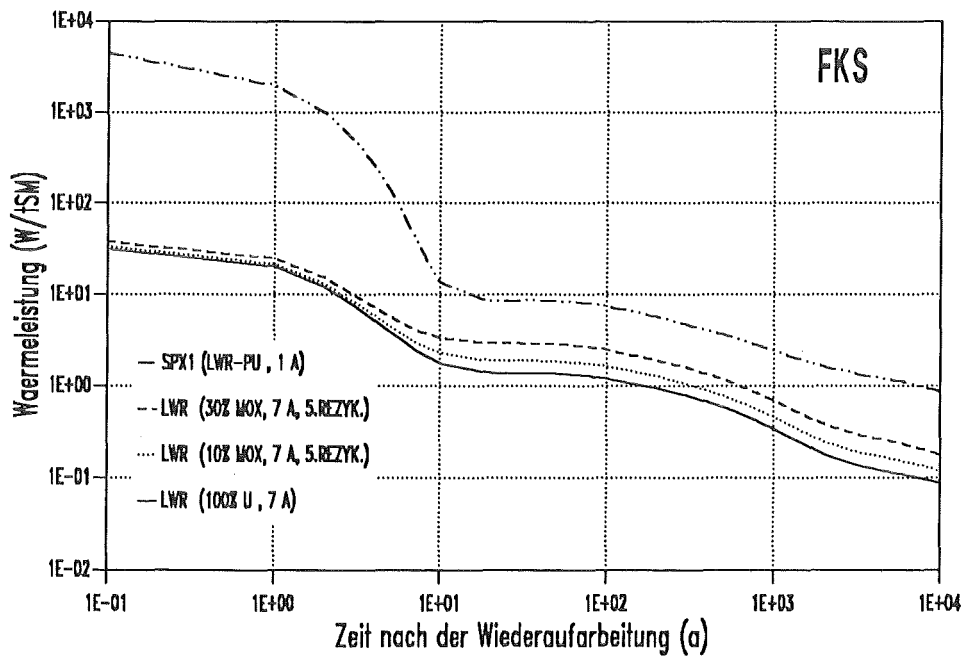


Abbildung 30. : Wärmeleistung des FKS nach der Wiederaufarbeitung von LWR- und SBR-Brennelementen mit 40 GWd/tSM Abbrand.

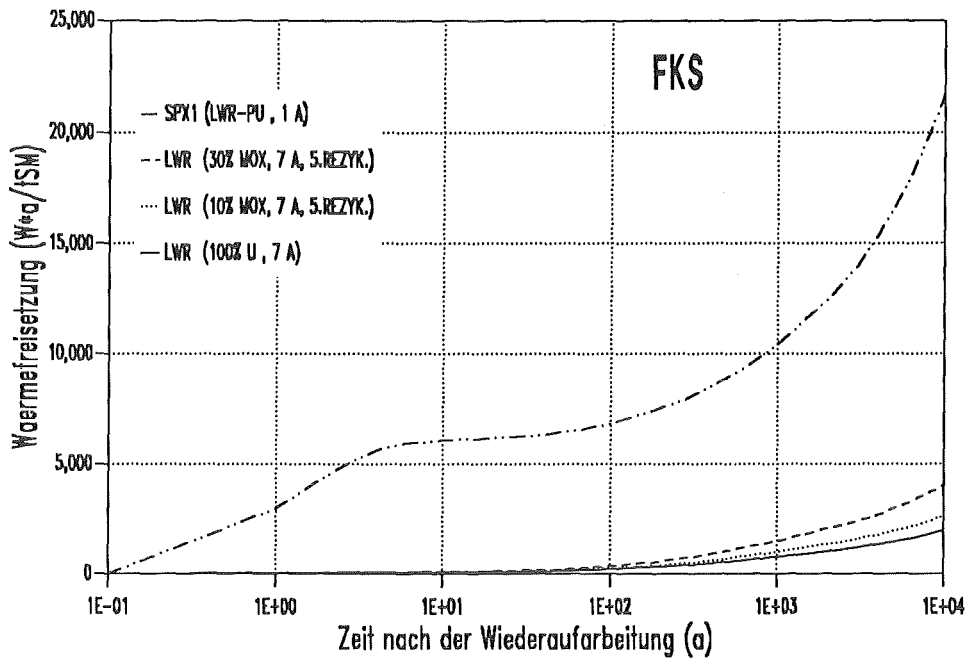


Abbildung 31. : Wärmefreisetzung des FKS nach der Wiederaufarbeitung von LWR- und SBR-Brennelementen mit 40 GWd/tSM Abbrand.

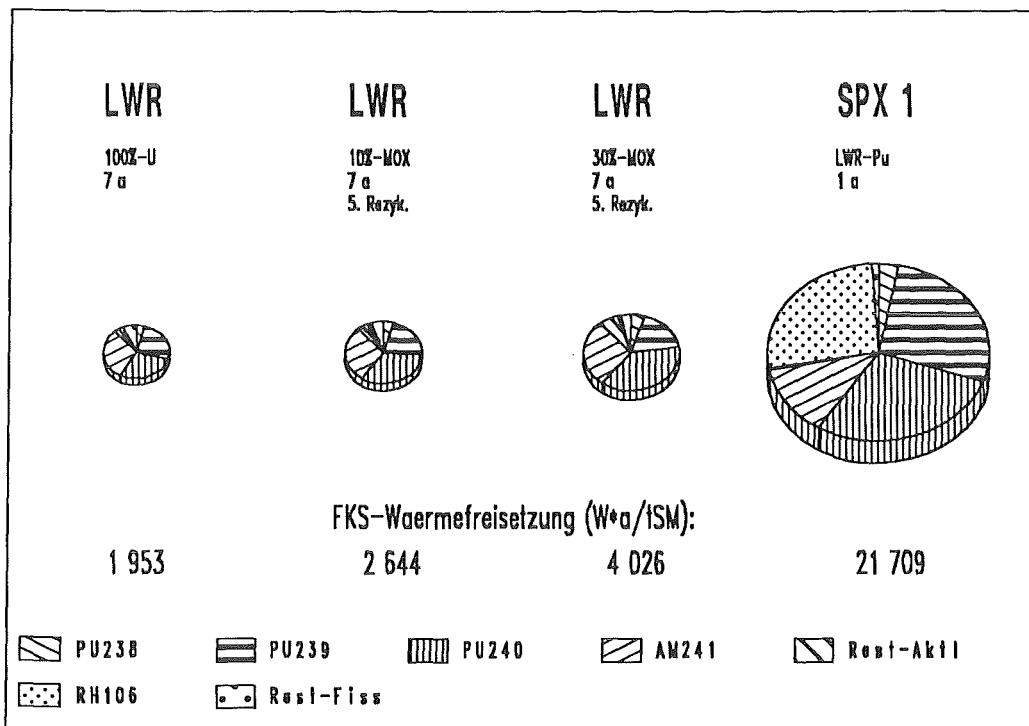


Abbildung 32. : Zusammensetzung der freigesetzten Wärme des FKS 10 000 Jahre nach der Wiederaufarbeitung von LWR- und SBR-Brennelementen mit 40 GWd/tSM Abbrand.

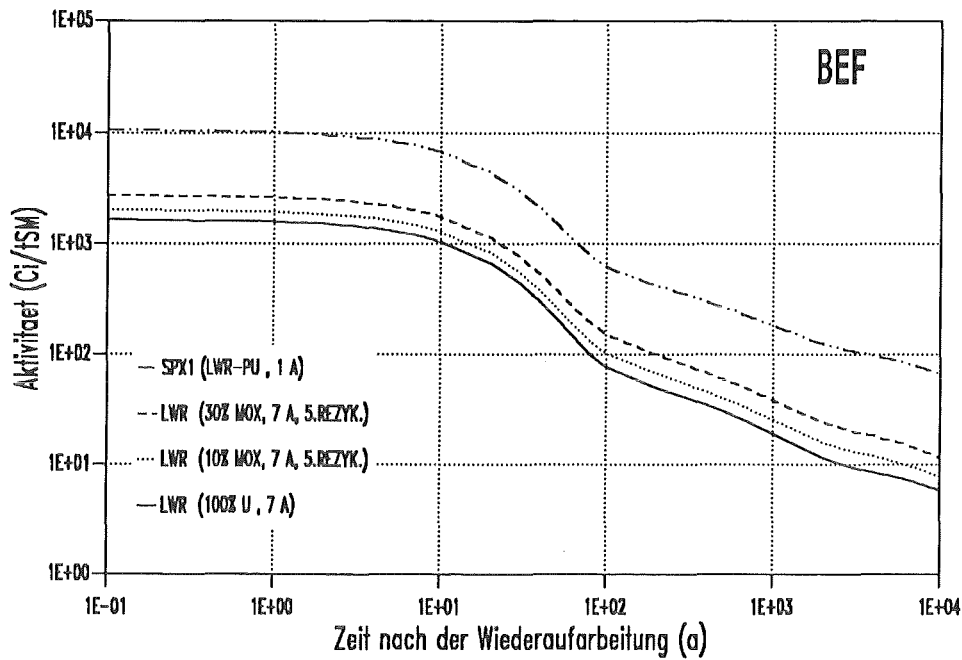


Abbildung 33. : Aktivität des BEF nach der Wiederaufarbeitung von LWR- und SBR-Brennelementen mit 40 GWd/tSM Abbrand.

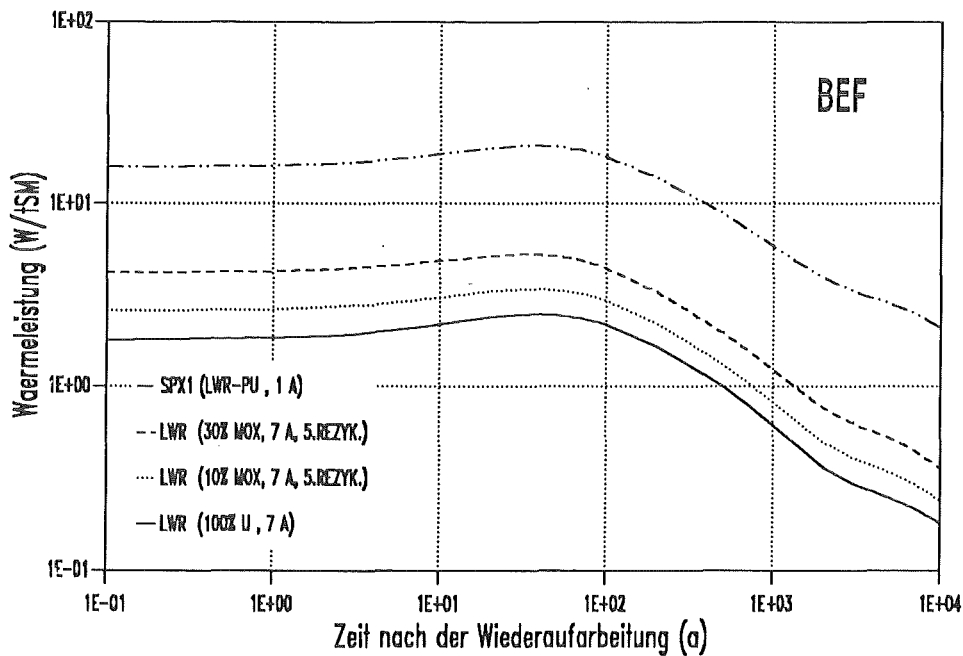


Abbildung 34. : Wärmeleistung des BEF nach der Wiederaufarbeitung von LWR- und SBR-Brennelementen mit 40 GWd/tSM Abbrand.

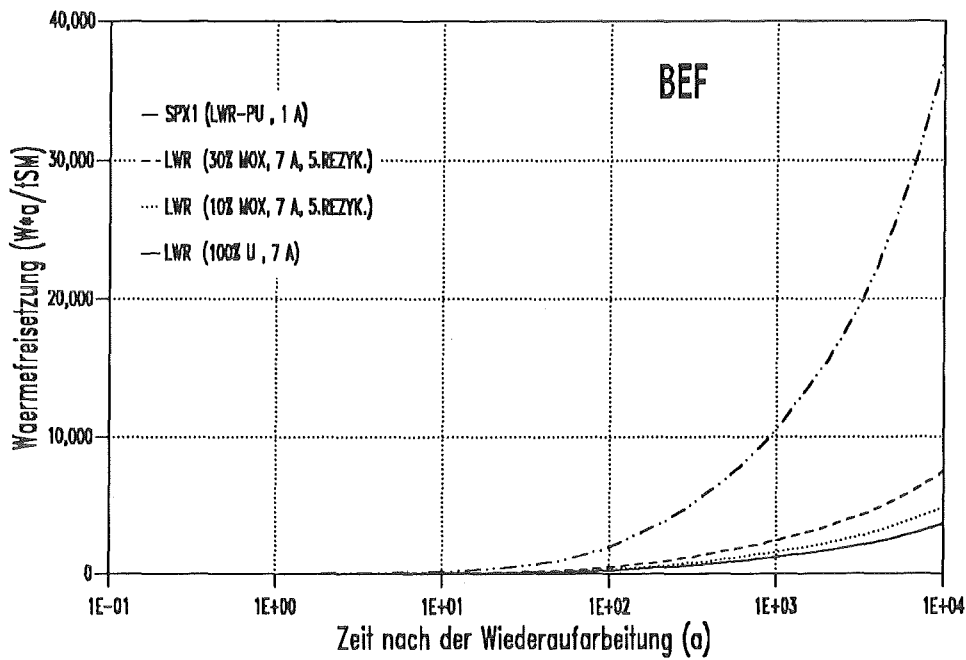


Abbildung 35. : Wärmefreisetzung des BEF nach der Wiederaufarbeitung von LWR- und SBR-Brennelementen mit 40 GWd/tSM Abbrand.

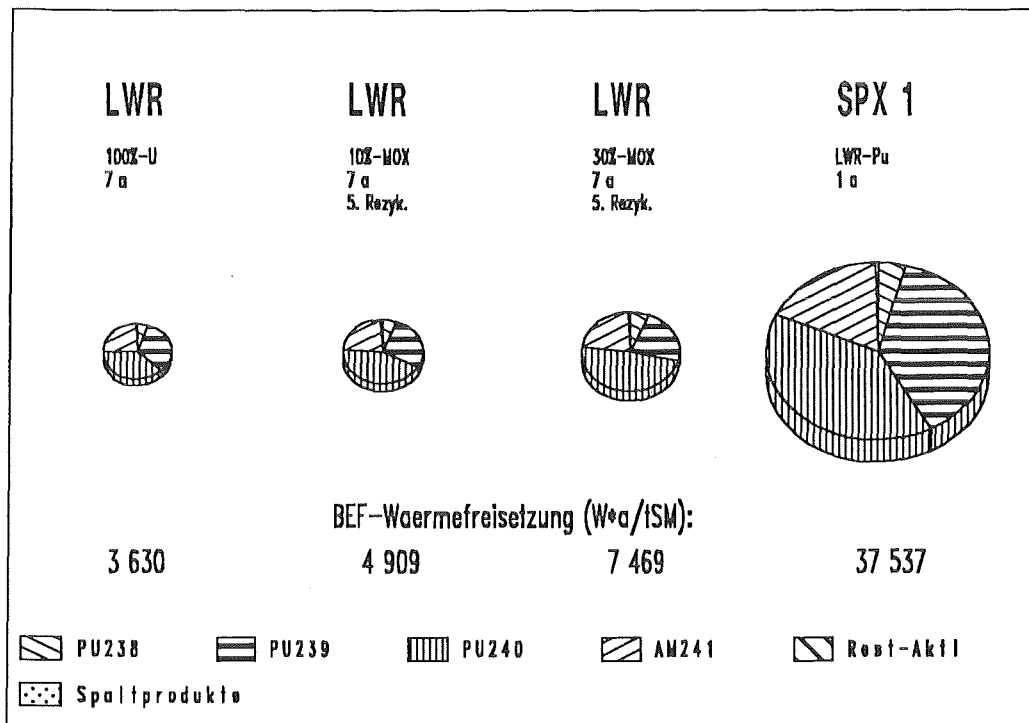


Abbildung 36. : Zusammensetzung der freigesetzten Wärme des BEF 10 000 Jahre nach der Wiederaufarbeitung von LWR- und SBR-Brennelementen mit 40 GWd/tSM Abbrand.

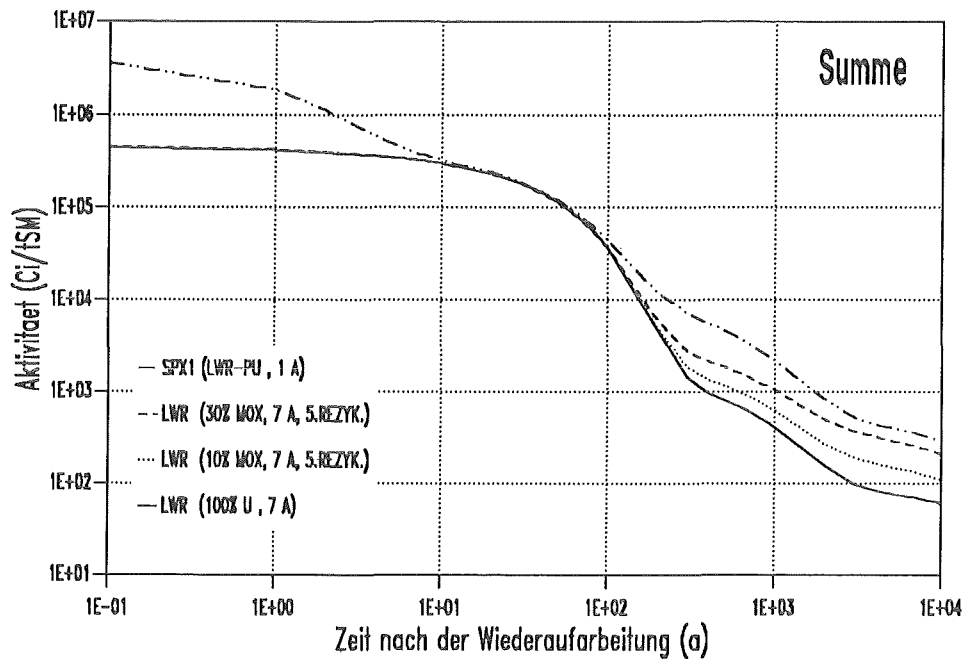


Abbildung 37. : Aktivität der Summe von WA und BEF nach der Wiederaufarbeitung von LWR- und SBR-Brennelementen mit 40 GWd/tSM Abbrand.

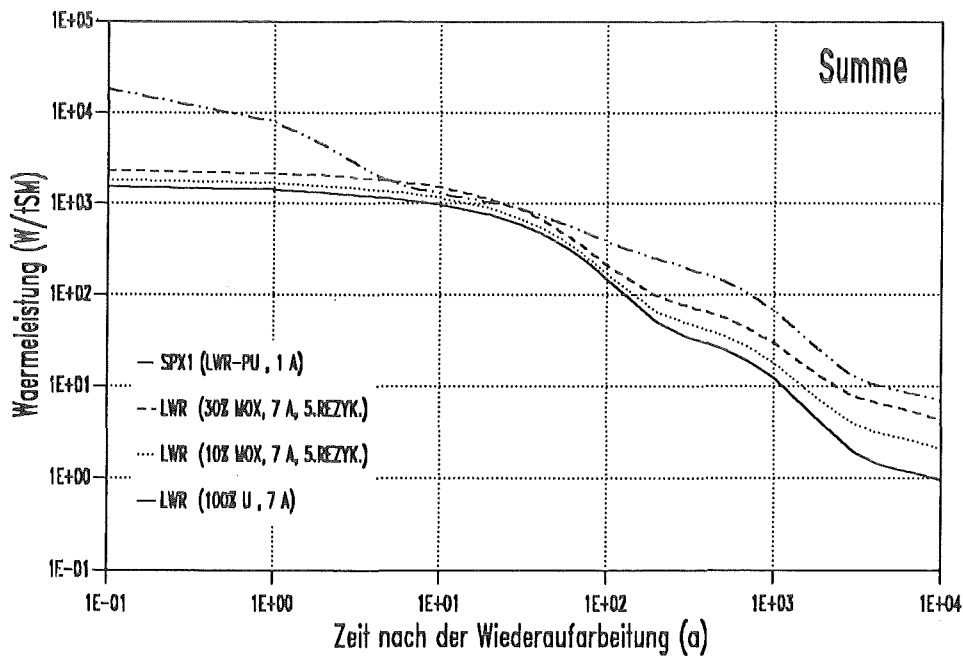


Abbildung 38. : Wärmeleistung der Summe von WA und BEF nach der Wiederaufarbeitung von LWR- und SBR-Brennelementen mit 40 GWd/tSM Abbrand.

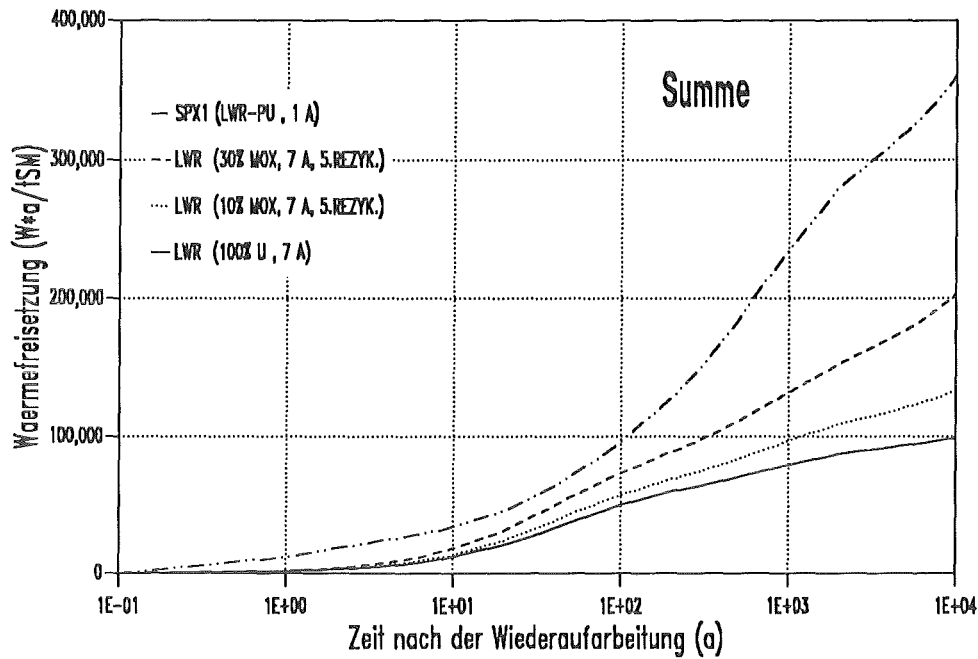


Abbildung 39. : Waerme freisetzung der Summe von WA und BEF nach der Wiederaufarbeitung von LWR- und SBR-Brennelementen mit 40 GWd/tSM Abbrand.

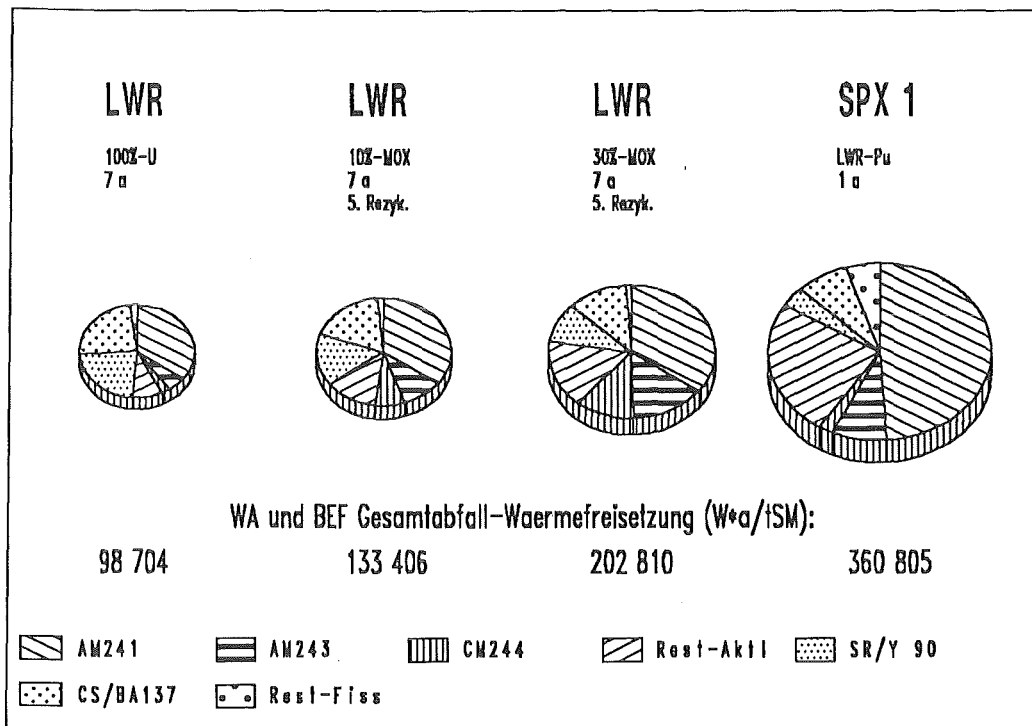
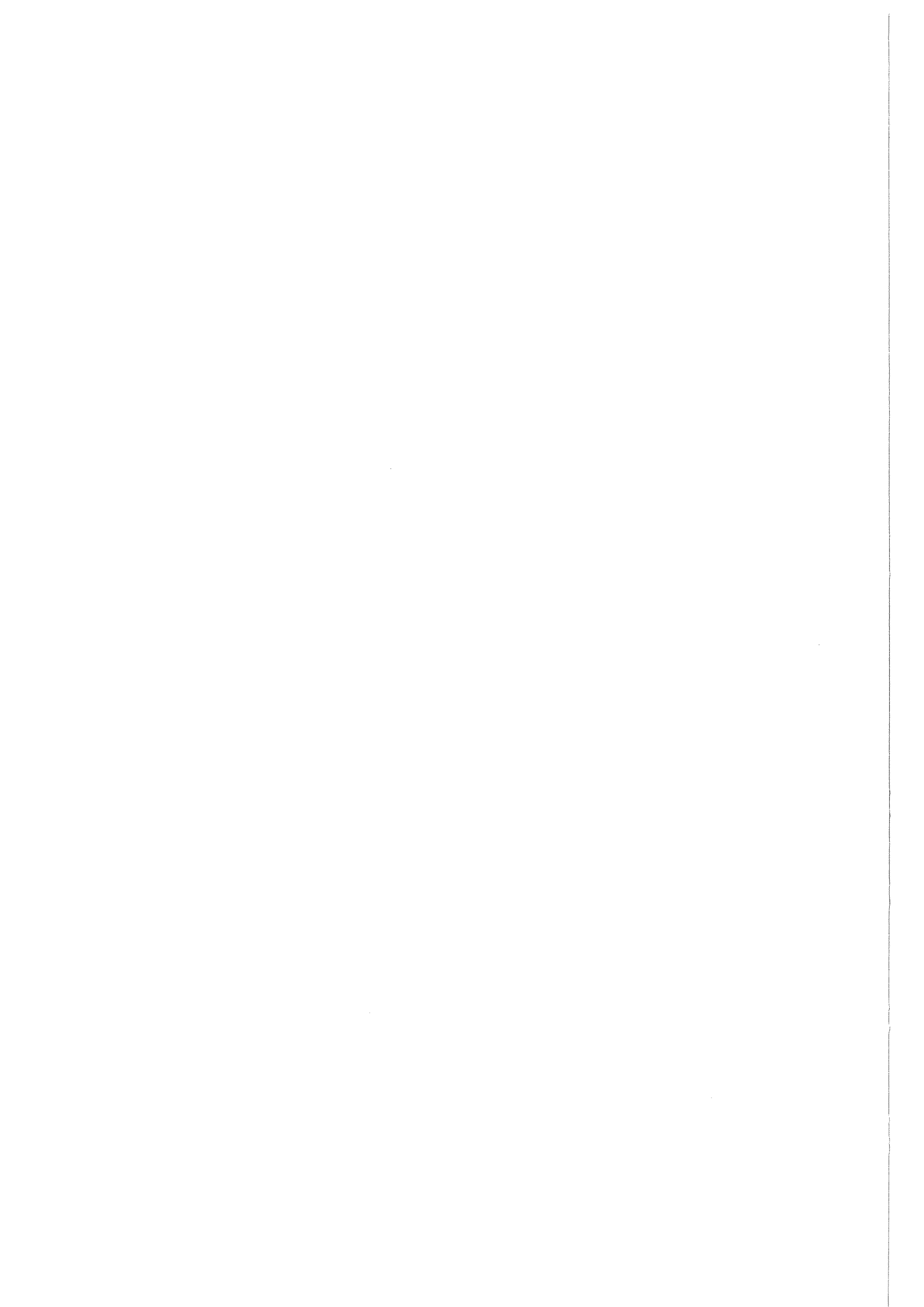


Abbildung 40. : Zusammensetzung der freigesetzten Waerme der Summe von WA und BEF 10 000 Jahre nach der Wiederaufarbeitung von LWR- und SBR-Brennelementen mit 40 GWd/tSM Abbrand.



3.2 Tabellarische Zusammenstellung der Abfalldaten

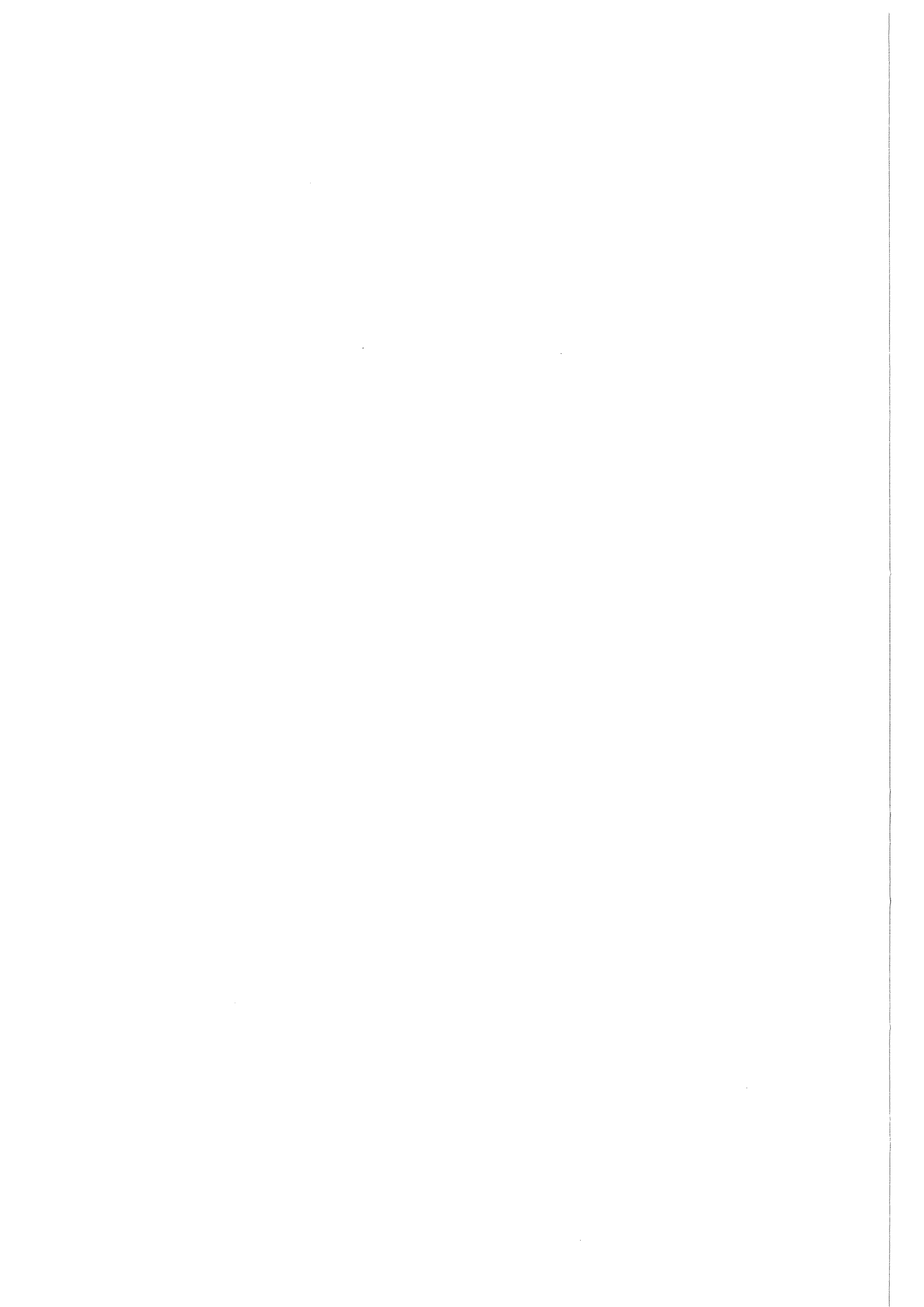
Für die genannten Berechnungsfällen wurden folgende Tabellen zusammengestellt:

- Konzentrationen der Aktiniden- und Spaltproduktelemente
- Radioaktivität der Aktiniden- und Spaltprodukt nuklide
- Wärmeleistung der Aktiniden- und Spaltprodukt nuklide

Die Anordnung der einzelnen Fälle der Parameterstudie ist aus der nachfolgenden Übersichtstabelle zu entnehmen.

Reaktortyp	Brennelementtyp	Rezyklierungsgrad	Abfallstrom	Seitenzahl
LWR	100% Uran	---	HAWC	35-40
LWR	100% Uran	---	MAWC	41-44
LWR	100% Uran	---	FKS	47-52
LWR	100% Uran	---	BEF	53-55
LWR	100% Uran	---	Summe	56-61
LWR	90% U/10%-MOX	1	HAWC	62-67
LWR	90% U/10%-MOX	1	MAWC	68-73
LWR	90% U/10%-MOX	1	FKS	74-79
LWR	90% U/10%-MOX	1	BEF	80-82
LWR	90% U/10%-MOX	1	Summe	83-88
LWR	70% U/30%-MOX	1	HAWC	89-94
LWR	70% U/30%-MOX	1	MAWC	95-100
LWR	70% U/30%-MOX	1	FKS	101-106
LWR	70% U/30%-MOX	1	BEF	107-109
LWR	70% U/30%-MOX	1	Summe	110-115
LWR	90% U/10%-MOX	5	HAWC	116-121
LWR	90% U/10%-MOX	5	MAWC	122-127
LWR	90% U/10%-MOX	5	FKS	128-133
LWR	90% U/10%-MOX	5	BEF	134-136
LWR	90% U/10%-MOX	5	Summe	137-142
LWR	70% U/30%-MOX	5	HAWC	143-148
LWR	70% U/30%-MOX	5	MAWC	149-154
LWR	70% U/30%-MOX	5	FKS	155-160
LWR	70% U/30%-MOX	5	BEF	161-163
LWR	70% U/30%-MOX	5	Summe	164-169
SPX 1	LWR-Pu	---	HAWC	170-175
SPX 1	LWR-Pu	---	MAWC	176-181
SPX 1	LWR-Pu	---	FKS	182-187
SPX 1	LWR-Pu	---	BEF	188-190
SPX 1	LWR-Pu	---	Summe	191-196

Tabelle 8. Übersichtstabelle II: Reihenfolge und Seitenangabe der Tabellen zu den einzelnen Fällen der Parameterstudie.



DWR mit UO₂-Brennstoff, WA-Zeitpunkt 7A / HAWC
 Konzentrationen der Aktinidenelemente [G/TSM]

	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
HE	1.11E+00	1.14E+00	1.17E+00	1.26E+00	1.40E+00	1.64E+00	2.16E+00	2.77E+00	7.81E+00	1.12E+01	4.18E+01
TL	5.25E-11	3.67E-11	2.57E-11	8.93E-12	1.81E-12	4.56E-13	3.80E-13	3.07E-13	1.73E-13	7.86E-13	3.12E-11
PB	6.92E-05	8.38E-05	9.40E-05	1.10E-04	1.17E-04	1.19E-04	1.22E-04	1.26E-04	1.51E-04	1.96E-03	2.25E+00
BI	3.64E-09	2.82E-09	2.27E-09	1.55E-09	1.51E-09	2.21E-09	5.64E-09	1.93E-08	1.34E-05	1.47E-02	1.93E+02
PO	2.79E-12	3.68E-12	4.77E-12	9.22E-12	2.15E-11	5.42E-11	2.06E-10	5.39E-10	1.02E-08	2.07E-07	5.80E-07
AT	1.07E-19	1.07E-19	1.07E-19	1.08E-19	1.12E-19	1.28E-19	2.39E-19	6.41E-19	6.39E-17	6.39E-15	3.36E-13
RN	4.76E-11	3.38E-11	2.42E-11	9.93E-12	4.64E-12	5.53E-12	1.18E-11	2.26E-11	2.99E-10	6.05E-09	1.69E-08
FR	3.45E-15	3.72E-15	3.99E-15	4.74E-15	5.87E-15	7.74E-15	1.16E-14	1.67E-14	5.91E-13	5.81E-11	3.05E-09
RA	4.23E-07	3.75E-07	3.51E-07	3.63E-07	4.91E-07	8.13E-07	1.81E-06	3.49E-06	4.65E-05	9.41E-04	2.65E-03
AC	9.48E-08	1.05E-07	1.15E-07	1.44E-07	1.85E-07	2.51E-07	3.59E-07	4.14E-07	4.44E-07	7.90E-07	1.50E-05
TH	5.02E-03	4.99E-03	4.98E-03	4.97E-03	4.98E-03	5.01E-03	5.12E-03	5.33E-03	1.16E-02	1.20E-01	4.65E+00
PA	6.72E-04	6.72E-04	6.72E-04	6.72E-04	6.73E-04	6.73E-04	6.75E-04	6.77E-04	7.08E-04	9.72E-04	8.70E-03
U	4.74E+03	4.74E+03	4.74E+03	4.74E+03	4.74E+03	4.74E+03	4.74E+03	4.74E+03	4.74E+03	4.79E+03	4.99E+03
NP	5.66E+02	5.66E+02	5.67E+02	5.69E+02	5.73E+02	5.79E+02	5.99E+02	6.30E+02	9.10E+02	9.95E+02	7.23E+02
PU	5.11E+01	5.21E+01	5.31E+01	5.59E+01	5.99E+01	6.60E+01	7.53E+01	7.92E+01	8.46E+01	1.07E+02	8.43E-01
AM	5.61E+02	5.60E+02	5.60E+02	5.58E+02	5.56E+02	5.50E+02	5.31E+02	5.00E+02	2.03E+02	4.94E+01	4.95E-06
CM	3.75E+01	3.62E+01	3.50E+01	3.16E+01	2.67E+01	1.93E+01	8.46E+00	4.12E+00	3.02E+00	1.12E+00	1.07E-02
BK	2.12E-08	9.61E-09	4.36E-09	4.06E-10	7.78E-12	2.86E-15	1.57E-19	1.57E-19	1.51E-19	1.06E-19	7.95E-37
CF	7.78E-06	7.68E-06	7.57E-06	7.29E-06	6.92E-06	6.39E-06	5.60E-06	4.99E-06	9.24E-07	1.22E-10	2.83E-32
Summe	5.95E+03	5.95E+03	5.95E+03	5.95E+03	5.95E+03	5.95E+03	5.95E+03	5.95E+03	5.95E+03	5.95E+03	5.96E+03

DWR mit UO ₂ -Brennstoff, WA-Zeitpunkt 7A / HAWC Radioaktivität der Aktinidennuklide [Ci/TSM]												
	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]											
	0	1	2	5	10	20	50	100	1000	10000	1000000	
TH228	4.29E-02	2.99E-02	2.09E-02	7.24E-03	1.42E-03	2.96E-04	2.00E-04	1.24E-04	3.54E-07	3.32E-07	4.12E-07	
TH230	7.51E-05	7.52E-05	7.52E-05	7.54E-05	7.56E-05	7.61E-05	7.78E-05	8.13E-05	1.84E-04	1.18E-03	2.61E-03	
TH231	1.68E-02	8.38E-05	8.38E-05	8.38E-05	8.38E-05	8.38E-05	8.39E-05	8.39E-05	8.59E-05	1.24E-04	4.10E-04	
TH234	3.14E-01	1.58E-03	1.57E-03	1.57E-03	1.57E-03	1.57E-03	1.57E-03	1.57E-03	1.57E-03	1.57E-03	1.57E-03	
PA233	4.01E-01	3.99E-01	4.00E-01	4.01E-01	4.04E-01	4.09E-01	4.22E-01	4.44E-01	6.42E-01	7.02E-01	5.10E-01	
PA234M	3.14E-01	1.58E-03	1.57E-03	1.57E-03	1.57E-03	1.57E-03	1.57E-03	1.57E-03	1.57E-03	1.57E-03	1.57E-03	
U 232	2.66E-04	2.74E-04	2.79E-04	2.86E-04	2.82E-04	2.59E-04	1.95E-04	1.20E-04	3.53E-07	3.30E-07	1.94E-07	
U 233	4.35E-07	2.37E-06	4.30E-06	9.74E-06	1.85E-05	3.63E-05	9.08E-05	1.85E-04	2.41E-03	2.94E-02	5.41E-01	
U 234	4.92E-03	4.97E-03	5.02E-03	5.17E-03	5.40E-03	5.85E-03	7.02E-03	8.56E-03	1.30E-02	1.28E-02	2.25E-03	
U 235	8.38E-05	8.38E-05	8.38E-05	8.38E-05	8.38E-05	8.38E-05	8.39E-05	8.39E-05	8.59E-05	1.24E-04	4.10E-04	
U 236	1.56E-03	1.56E-03	1.56E-03	1.56E-03	1.56E-03	1.56E-03	1.57E-03	1.58E-03	1.85E-03	3.47E-03	4.36E-03	
U 237	1.29E-02	1.23E-02	1.17E-02	1.01E-02	7.97E-03	4.93E-03	1.17E-03	1.11E-04	6.21E-06	2.98E-06	0.00E+00	
U 238	1.57E-03	1.57E-03	1.57E-03	1.57E-03	1.57E-03	1.57E-03	1.57E-03	1.57E-03	1.57E-03	1.57E-03	1.57E-03	
NP237	3.99E-01	3.99E-01	4.00E-01	4.01E-01	4.04E-01	4.09E-01	4.22E-01	4.44E-01	6.42E-01	7.02E-01	5.10E-01	
NP238	1.93E-02	1.91E-02	1.91E-02	1.88E-02	1.84E-02	1.76E-02	1.53E-02	1.22E-02	2.02E-04	3.06E-22	0.00E+00	
NP239	2.53E+01	2.52E+01	2.52E+01	2.52E+01	2.52E+01	2.52E+01	2.51E+01	2.50E+01	2.29E+01	9.85E+00	9.88E-07	
PU238	1.73E+01	1.72E+01	1.71E+01	1.68E+01	1.62E+01	1.52E+01	1.26E+01	9.21E+00	4.09E-02	1.20E-19	0.00E+00	
PU239	1.80E+00	1.81E+00	1.81E+00	1.81E+00	1.82E+00	1.83E+00	1.86E+00	1.89E+00	2.46E+00	5.37E+00	9.88E-07	
PU240	2.94E+00	3.23E+00	3.50E+00	4.26E+00	5.34E+00	6.98E+00	9.35E+00	1.03E+01	9.47E+00	3.65E+00	1.33E-08	
PU241	5.15E+02	4.91E+02	4.68E+02	4.05E+02	3.18E+02	1.97E+02	4.67E+01	4.45E+00	2.49E-01	1.19E-01	0.00E+00	
PU242	1.22E-02	1.22E-02	1.22E-02	1.22E-02	1.22E-02	1.22E-02	1.23E-02	1.23E-02	1.33E-02	1.74E-02	3.22E-03	
AM241	1.49E+03	1.49E+03	1.49E+03	1.48E+03	1.47E+03	1.45E+03	1.39E+03	1.28E+03	3.04E+02	1.19E-01	0.00E+00	
AM242M	3.85E+00	3.83E+00	3.81E+00	3.76E+00	3.68E+00	3.51E+00	3.06E+00	2.44E+00	4.03E-02	6.11E-20	0.00E+00	
AM242	3.83E+00	3.81E+00	3.79E+00	3.74E+00	3.66E+00	3.49E+00	3.05E+00	2.43E+00	4.01E-02	6.08E-20	0.00E+00	
AM243	2.52E+01	2.52E+01	2.52E+01	2.52E+01	2.52E+01	2.52E+01	2.51E+01	2.50E+01	2.29E+01	9.85E+00	9.88E-07	
CM242	4.22E+00	3.38E+00	3.19E+00	3.10E+00	3.03E+00	2.89E+00	2.52E+00	2.01E+00	3.32E-02	5.05E-20	0.00E+00	
CM243	2.09E+01	2.04E+01	1.99E+01	1.85E+01	1.64E+01	1.29E+01	6.20E+00	1.84E+00	5.76E-10	0.00E+00	0.00E+00	
CM244	2.73E+03	2.63E+03	2.53E+03	2.25E+03	1.86E+03	1.27E+03	4.03E+02	5.95E+01	6.57E-14	0.00E+00	0.00E+00	
CM245	2.69E-01	2.69E-01	2.69E-01	2.69E-01	2.69E-01	2.69E-01	2.68E-01	2.67E-01	2.48E-01	1.19E-01	0.00E+00	
CM246	5.55E-01	5.55E-01	5.55E-01	5.55E-01	5.54E-01	5.54E-01	5.51E-01	5.47E-01	4.80E-01	1.28E-01	4.25E-30	
Summe	4.84E+03	4.71E+03	4.59E+03	4.25E+03	3.76E+03	3.02E+03	1.93E+03	1.43E+03	3.64E+02	3.08E+01	5.93E+00	

DWR mit UO₂-Brennstoff, WA-Zeitpunkt 7A / HAWC
 Wärmeleistung der Aktiniden nuklide [W/TSM]

	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
PO216	1.70E-03	1.19E-03	8.32E-04	2.88E-04	5.65E-05	1.17E-05	7.91E-06	4.89E-06	1.40E-08	1.31E-08	1.63E-08
RN220	1.63E-03	1.14E-03	7.98E-04	2.76E-04	5.42E-05	1.12E-05	7.59E-06	4.69E-06	1.34E-08	1.26E-08	1.56E-08
RA224	1.48E-03	1.03E-03	7.22E-04	2.50E-04	4.90E-05	1.02E-05	6.86E-06	4.24E-06	1.21E-08	1.14E-08	1.41E-08
TH228	1.40E-03	9.79E-04	6.84E-04	2.37E-04	4.65E-05	9.68E-06	6.54E-06	4.05E-06	1.16E-08	1.09E-08	1.35E-08
TH230	2.13E-06	2.13E-06	2.13E-06	2.13E-06	2.14E-06	2.15E-06	2.20E-06	2.30E-06	5.20E-06	3.32E-05	7.37E-05
PA233	9.10E-04	9.07E-04	9.08E-04	9.11E-04	9.16E-04	9.27E-04	9.59E-04	1.01E-03	1.46E-03	1.59E-03	1.16E-03
PA234M	1.55E-03	7.81E-06	7.77E-06	7.77E-06	7.77E-06	7.77E-06	7.77E-06	7.77E-06	7.77E-06	7.77E-06	7.77E-06
U 232	8.55E-06	8.79E-06	8.95E-06	9.16E-06	9.03E-06	8.32E-06	6.24E-06	3.86E-06	1.13E-08	1.06E-08	6.23E-09
U 233	1.27E-08	6.89E-08	1.25E-07	2.84E-07	5.40E-07	1.06E-06	2.64E-06	5.40E-06	7.01E-05	8.56E-04	1.57E-02
U 234	1.42E-04	1.43E-04	1.45E-04	1.49E-04	1.55E-04	1.68E-04	2.02E-04	2.46E-04	3.75E-04	3.68E-04	6.48E-05
U 235	2.32E-06	2.32E-06	2.32E-06	2.32E-06	2.32E-06	2.32E-06	2.33E-06	2.33E-06	2.38E-06	3.43E-06	1.14E-05
U 236	4.22E-05	4.22E-05	4.22E-05	4.22E-05	4.22E-05	4.23E-05	4.25E-05	4.29E-05	5.00E-05	9.40E-05	1.18E-04
U 238	3.98E-05	3.98E-05	3.98E-05	3.98E-05	3.98E-05	3.98E-05	3.98E-05	3.98E-05	3.98E-05	3.98E-05	3.98E-05
NP237	1.17E-02	1.17E-02	1.18E-02	1.18E-02	1.19E-02	1.20E-02	1.24E-02	1.30E-02	1.89E-02	2.06E-02	1.50E-02
NP238	9.23E-05	9.17E-05	9.13E-05	9.01E-05	8.80E-05	8.41E-05	7.34E-05	5.84E-05	9.65E-07	1.46E-24	0.00E+00
NP239	6.10E-02	6.09E-02	6.09E-02	6.09E-02	6.09E-02	6.08E-02	6.06E-02	6.03E-02	5.55E-02	2.38E-02	2.39E-09
PU238	5.74E-01	5.70E-01	5.66E-01	5.56E-01	5.38E-01	5.05E-01	4.17E-01	3.05E-01	1.36E-03	3.98E-21	0.00E+00
PU239	5.61E-02	5.61E-02	5.62E-02	5.63E-02	5.65E-02	5.68E-02	5.77E-02	5.89E-02	7.65E-02	1.67E-01	3.07E-08
PU240	9.17E-02	1.01E-01	1.09E-01	1.33E-01	1.66E-01	2.17E-01	2.91E-01	3.19E-01	2.95E-01	1.14E-01	4.14E-10
PU241	1.59E-02	1.51E-02	1.44E-02	1.25E-02	9.81E-03	6.07E-03	1.44E-03	1.37E-04	7.66E-06	3.68E-06	0.00E+00
PU242	3.59E-04	3.59E-04	3.59E-04	3.59E-04	3.60E-04	3.60E-04	3.62E-04	3.65E-04	3.93E-04	5.13E-04	9.50E-05
AM241	4.98E+01	4.98E+01	4.97E+01	4.95E+01	4.92E+01	4.86E+01	4.65E+01	4.29E+01	1.01E+01	3.99E-03	0.00E+00
AM242M	1.52E-03	1.51E-03	1.51E-03	1.48E-03	1.45E-03	1.39E-03	1.21E-03	9.63E-04	1.59E-05	2.41E-23	0.00E+00
AM242	4.45E-03	4.43E-03	4.41E-03	4.35E-03	4.25E-03	4.06E-03	3.54E-03	2.82E-03	4.66E-05	7.07E-23	0.00E+00
AM243	8.12E-01	8.12E-01	8.12E-01	8.12E-01	8.12E-01	8.11E-01	8.09E-01	8.05E-01	7.40E-01	3.18E-01	3.18E-08
CM242	1.56E-01	1.25E-01	1.17E-01	1.14E-01	1.12E-01	1.06E-01	9.29E-02	7.39E-02	1.22E-03	1.86E-21	0.00E+00
CM243	7.67E-01	7.49E-01	7.31E-01	6.79E-01	6.01E-01	4.72E-01	2.27E-01	6.74E-02	2.11E-11	0.00E+00	0.00E+00
CM244	9.55E+01	9.19E+01	8.85E+01	7.89E+01	6.51E+01	4.44E+01	1.41E+01	2.08E+00	2.30E-15	0.00E+00	0.00E+00
CM245	8.97E-03	8.97E-03	8.97E-03	8.97E-03	8.96E-03	8.96E-03	8.94E-03	8.90E-03	8.27E-03	3.97E-03	0.00E+00
CM246	1.82E-02	1.82E-02	1.82E-02	1.82E-02	1.81E-02	1.81E-02	1.80E-02	1.79E-02	1.57E-02	4.20E-03	1.39E-31
Summe	1.48E+02	1.44E+02	1.41E+02	1.31E+02	1.17E+02	9.53E+01	6.26E+01	4.67E+01	1.14E+01	6.61E-01	1.43E-01

DWR mit UO₂-Brennstoff, WA-Zeitpunkt 7A / HAWC
Radioaktivität der Spaltprodukt nuklide [Ci/TSM]

		ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
		0	1	2	5	10	20	50	100	1000	10000	1000000
H	3	4.10E+02	3.87E+02	3.66E+02	3.09E+02	2.34E+02	1.33E+02	2.48E+01	1.50E+00	0.00E+00	0.00E+00	0.00E+00
C	14	1.60E-02	1.60E-02	1.60E-02	1.60E-02	1.60E-02	1.60E-02	1.59E-02	1.58E-02	1.42E-02	4.77E-03	0.00E+00
SE	79	2.67E-01	2.67E-01	2.67E-01	2.67E-01	2.67E-01	2.67E-01	2.67E-01	2.67E-01	2.64E-01	2.40E-01	6.22E-06
SR	90	7.57E+04	7.39E+04	7.22E+04	6.72E+04	5.97E+04	4.70E+04	2.30E+04	7.01E+03	3.50E-06	0.00E+00	0.00E+00
Y	90	7.56E+04	7.40E+04	7.22E+04	6.72E+04	5.97E+04	4.71E+04	2.30E+04	7.01E+03	3.50E-06	0.00E+00	0.00E+00
ZR	93	1.39E+00	1.39E+00	1.39E+00	1.39E+00	1.39E+00	1.39E+00	1.39E+00	1.39E+00	1.39E+00	1.38E+00	8.84E-01
NB	93M	3.61E-02	9.99E-02	1.60E-01	3.25E-01	5.49E-01	8.57E-01	1.22E+00	1.31E+00	1.32E+00	1.31E+00	8.39E-01
TC	99	1.24E+01	1.24E+01	1.24E+01	1.24E+01	1.24E+01	1.24E+01	1.24E+01	1.24E+01	1.24E+01	1.20E+01	4.79E-01
RU	106	2.01E+03	1.01E+03	5.08E+02	6.46E+01	2.08E+00	2.14E-03	2.36E-12	2.79E-27	0.00E+00	0.00E+00	0.00E+00
RH	106	2.52E+03	1.01E+03	5.08E+02	6.46E+01	2.08E+00	2.15E-03	2.36E-12	2.79E-27	0.00E+00	0.00E+00	0.00E+00
PD	107	1.00E-01	1.00E-01	1.00E-01	1.00E-01	1.00E-01	1.00E-01	1.00E-01	1.00E-01	1.00E-01	1.00E-01	9.02E-02
CD	113M	2.74E+01	2.61E+01	2.49E+01	2.16E+01	1.70E+01	1.06E+01	2.55E+00	2.37E-01	6.44E-20	0.00E+00	0.00E+00
SN	121M	3.50E-02	3.45E-02	3.40E-02	3.26E-02	3.04E-02	2.65E-02	1.75E-02	8.74E-03	3.32E-08	0.00E+00	0.00E+00
SN	126	1.32E-01	1.32E-01	1.32E-01	1.32E-01	1.32E-01	1.32E-01	1.32E-01	1.32E-01	1.32E-01	1.24E-01	1.32E-04
SB	125	9.44E+01	7.35E+01	5.72E+01	2.69E+01	7.67E+00	6.23E-01	3.34E-04	1.18E-09	0.00E+00	0.00E+00	0.00E+00
SB	126	4.59E-03	1.85E-02	1.85E-02	1.85E-02	1.85E-02	1.85E-02	1.85E-02	1.85E-02	1.84E-02	1.73E-02	1.85E-05
SB	126M	3.28E-02	1.32E-01	1.32E-01	1.32E-01	1.32E-01	1.32E-01	1.32E-01	1.32E-01	1.32E-01	1.24E-01	1.32E-04
TE	125M	2.80E+02	2.12E+01	1.40E+01	6.57E+00	1.87E+00	1.52E-01	8.15E-05	2.88E-10	0.00E+00	0.00E+00	0.00E+00
CS	134	2.10E+04	1.50E+04	1.07E+04	3.92E+03	7.30E+02	2.53E+01	1.06E-03	5.33E-11	0.00E+00	0.00E+00	0.00E+00
CS	135	3.81E-01	3.81E-01	3.81E-01	3.81E-01	3.81E-01	3.81E-01	3.81E-01	3.81E-01	3.81E-01	3.80E-01	2.82E-01
CS	137	1.10E+05	1.07E+05	1.05E+05	9.78E+04	8.71E+04	6.91E+04	3.46E+04	1.09E+04	1.02E-05	0.00E+00	0.00E+00
BA	137M	1.04E+05	1.01E+05	9.91E+04	9.25E+04	8.24E+04	6.54E+04	3.27E+04	1.03E+04	9.64E-06	0.00E+00	0.00E+00
CE	144	2.59E+03	1.06E+03	4.36E+02	3.02E+01	3.52E-01	4.78E-05	1.20E-16	5.53E-36	0.00E+00	0.00E+00	0.00E+00
PR	144	2.59E+03	1.06E+03	4.36E+02	3.02E+01	3.52E-01	4.78E-05	1.20E-16	5.53E-36	0.00E+00	0.00E+00	0.00E+00
PR	144M	3.11E+01	1.28E+01	5.24E+00	3.62E-01	4.22E-03	5.73E-07	1.44E-18	6.64E-38	0.00E+00	0.00E+00	0.00E+00
PM	147	2.70E+04	2.07E+04	1.59E+04	7.21E+03	1.92E+03	1.37E+02	4.96E-02	9.11E-08	0.00E+00	0.00E+00	0.00E+00
SM	151	3.57E+02	3.54E+02	3.52E+02	3.44E+02	3.31E+02	3.06E+02	2.43E+02	1.65E+02	1.62E-01	0.00E+00	0.00E+00
EU	152	3.03E+00	2.88E+00	2.74E+00	2.35E+00	1.82E+00	1.09E+00	2.37E-01	1.86E-02	2.26E-22	0.00E+00	0.00E+00
EU	154	9.17E+03	8.46E+03	7.81E+03	6.13E+03	4.10E+03	1.83E+03	1.63E+02	2.90E+00	0.00E+00	0.00E+00	0.00E+00
EU	155	3.66E+03	3.19E+03	2.77E+03	1.82E+03	9.06E+02	2.24E+02	3.38E+00	3.13E-03	0.00E+00	0.00E+00	0.00E+00
Summe		4.37E+05	4.09E+05	3.88E+05	3.45E+05	2.97E+05	2.31E+05	1.14E+05	3.54E+04	1.63E+01	1.57E+01	2.57E+00

DWR mit UO ₂ -Brennstoff, WA-Zeitpunkt 7A / HAWC												
Wärmeleistung der Spaltprodukt nuklide [W/TSM]												
ZEITEN NACH DER WIEDERAUFARBEITUNG [A]												
	0	1	2	5	10	20	50	100	1000	10000	100000	
H 3	1.38E-02	1.31E-02	1.24E-02	1.05E-02	7.89E-03	4.50E-03	8.36E-04	5.06E-05	0.00E+00	0.00E+00	0.00E+00	
SE 79	6.65E-05	6.65E-05	6.65E-05	6.65E-05	6.65E-05	6.65E-05	6.64E-05	6.64E-05	6.58E-05	5.97E-05	1.55E-09	
SR 90	8.79E+01	8.58E+01	8.38E+01	7.80E+01	6.93E+01	5.46E+01	2.67E+01	8.14E+00	4.07E-09	0.00E+00	0.00E+00	
Y 90	4.19E+02	4.10E+02	4.00E+02	3.73E+02	3.31E+02	2.61E+02	1.28E+02	3.89E+01	1.94E-08	0.00E+00	0.00E+00	
ZR 93	1.61E-04	1.61E-04	1.61E-04	1.61E-04	1.61E-04	1.61E-04	1.61E-04	1.61E-04	1.61E-04	1.61E-04	1.03E-04	
NB 93M	6.39E-06	1.77E-05	2.84E-05	5.76E-05	9.73E-05	1.52E-04	2.16E-04	2.33E-04	2.34E-04	2.33E-04	1.49E-04	
TC 99	6.22E-03	6.22E-03	6.22E-03	6.22E-03	6.22E-03	6.22E-03	6.22E-03	6.22E-03	6.20E-03	6.02E-03	2.40E-04	
RU106	1.19E-01	5.99E-02	3.01E-02	3.83E-03	1.23E-04	1.27E-07	1.40E-16	1.65E-31	0.00E+00	0.00E+00	0.00E+00	
RH106	2.41E+01	9.70E+00	4.88E+00	6.20E-01	1.99E-02	2.06E-05	2.27E-14	2.67E-29	0.00E+00	0.00E+00	0.00E+00	
AG110M	2.97E-03	1.08E-03	3.92E-04	1.88E-05	1.19E-07	4.73E-12	3.00E-25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
CD113M	4.61E-02	4.40E-02	4.19E-02	3.64E-02	2.87E-02	1.78E-02	4.29E-03	3.99E-04	1.08E-22	0.00E+00	0.00E+00	
SN121M	7.01E-05	6.91E-05	6.81E-05	6.54E-05	6.10E-05	5.31E-05	3.50E-05	1.75E-05	6.65E-11	0.00E+00	0.00E+00	
SN126	1.65E-04	1.65E-04	1.65E-04	1.65E-04	1.65E-04	1.65E-04	1.65E-04	1.65E-04	1.64E-04	1.54E-04	1.65E-07	
SB125	2.95E-01	2.30E-01	1.79E-01	8.41E-02	2.40E-02	1.95E-03	1.04E-06	3.69E-12	0.00E+00	0.00E+00	0.00E+00	
SB126	8.49E-05	3.43E-04	3.43E-04	3.43E-04	3.43E-04	3.43E-04	3.42E-04	3.42E-04	3.40E-04	3.20E-04	3.42E-07	
SB126M	4.18E-04	1.69E-03	1.69E-03	1.69E-03	1.69E-03	1.69E-03	1.69E-03	1.69E-03	1.67E-03	1.57E-03	1.68E-06	
TE125M	2.35E-01	1.78E-02	1.18E-02	5.52E-03	1.57E-03	1.28E-04	6.85E-08	2.42E-13	0.00E+00	0.00E+00	0.00E+00	
CS134	2.14E+02	1.53E+02	1.09E+02	3.99E+01	7.43E+00	2.58E-01	1.08E-05	5.43E-13	0.00E+00	0.00E+00	0.00E+00	
CS135	1.27E-04	1.27E-04	1.27E-04	1.27E-04	1.27E-04	1.27E-04	1.27E-04	1.27E-04	1.27E-04	1.27E-04	9.40E-05	
CS137	1.21E+02	1.19E+02	1.16E+02	1.08E+02	9.63E+01	7.65E+01	3.82E+01	1.20E+01	1.13E-08	0.00E+00	0.00E+00	
BA137M	4.08E+02	3.98E+02	3.89E+02	3.63E+02	3.24E+02	2.57E+02	1.28E+02	4.05E+01	3.78E-08	0.00E+00	0.00E+00	
CE144	1.72E+00	7.05E-01	2.89E-01	2.00E-02	2.33E-04	3.17E-08	7.94E-20	3.67E-39	0.00E+00	0.00E+00	0.00E+00	
PR144	1.90E+01	7.81E+00	3.21E+00	2.22E-01	2.59E-03	3.51E-07	8.80E-19	4.06E-38	0.00E+00	0.00E+00	0.00E+00	
PR144M	1.06E-02	4.36E-03	1.79E-03	1.24E-04	1.44E-06	1.96E-10	4.91E-22	2.27E-41	0.00E+00	0.00E+00	0.00E+00	
PM147	9.69E+00	7.44E+00	5.71E+00	2.59E+00	6.90E-01	4.92E-02	1.78E-05	3.27E-11	0.00E+00	0.00E+00	0.00E+00	
SM151	4.19E-02	4.16E-02	4.13E-02	4.03E-02	3.88E-02	3.59E-02	2.85E-02	1.94E-02	1.90E-05	0.00E+00	0.00E+00	
EU152	2.30E-02	2.18E-02	2.08E-02	1.78E-02	1.38E-02	8.30E-03	1.80E-03	1.41E-04	1.71E-24	0.00E+00	0.00E+00	
EU154	8.21E+01	7.57E+01	6.98E+01	5.48E+01	3.67E+01	1.64E+01	1.46E+00	2.60E-02	0.00E+00	0.00E+00	0.00E+00	
EU155	2.66E+00	2.32E+00	2.01E+00	1.32E+00	6.59E-01	1.63E-01	2.46E-03	2.27E-06	0.00E+00	0.00E+00	0.00E+00	
HO166M	9.01E-06	9.00E-06	9.00E-06	8.98E-06	8.96E-06	8.90E-06	8.75E-06	8.50E-06	5.06E-06	2.80E-08	0.00E+00	
Summe	1.39E+03	1.27E+03	1.18E+03	1.02E+03	8.66E+02	6.66E+02	3.23E+02	9.96E+01	9.00E-03	8.66E-03	5.94E-04	

DWR mit UO₂-Brennstoff, WA-Zeitpunkt 7A / MAWC
 Konzentrationen der Aktinidenelemente [G/TSM]

	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
HE	1.11E+00	1.11E+00	1.11E+00	1.11E+00	1.11E+00	1.11E+00	1.11E+00	1.11E+00	1.13E+00	1.18E+00	1.44E+00
TL	0.00E+00	2.00E-14	3.45E-14	5.75E-14	6.73E-14	6.47E-14	4.87E-14	3.02E-14	1.89E-15	2.06E-14	2.65E-13
PB	0.00E+00	3.46E-09	1.26E-08	6.01E-08	1.66E-07	3.87E-07	9.47E-07	1.59E-06	3.19E-06	2.58E-04	3.79E-01
BI	0.00E+00	1.12E-12	1.94E-12	3.27E-12	3.99E-12	4.74E-12	1.40E-11	7.49E-11	6.17E-08	5.82E-05	7.49E-01
PO	0.00E+00	4.86E-17	9.88E-17	5.29E-16	4.35E-15	3.21E-14	4.36E-13	2.89E-12	7.79E-10	3.27E-08	1.08E-07
AT	0.00E+00	5.36E-24	1.13E-23	3.23E-23	7.78E-23	2.07E-22	9.05E-22	3.11E-21	2.86E-19	2.52E-17	1.30E-15
RN	0.00E+00	1.78E-14	3.08E-14	5.15E-14	6.11E-14	6.28E-14	7.89E-14	1.84E-13	2.27E-11	9.55E-10	3.17E-09
FR	0.00E+00	5.07E-20	1.11E-19	3.42E-19	8.91E-19	2.55E-18	1.14E-17	3.72E-17	2.72E-15	2.30E-13	1.18E-11
RA	0.00E+00	1.05E-10	1.86E-10	3.45E-10	5.47E-10	1.16E-09	5.79E-09	2.46E-08	3.54E-06	1.49E-04	4.93E-04
AC	0.00E+00	7.72E-14	3.06E-13	1.85E-12	7.04E-12	2.55E-11	1.22E-10	3.42E-10	4.90E-09	4.92E-08	4.38E-07
TH	0.00E+00	6.15E-07	1.21E-06	3.02E-06	6.08E-06	1.25E-05	3.38E-05	7.50E-05	1.09E-03	1.12E-02	2.44E-01
PA	0.00E+00	1.04E-07	1.12E-07	1.34E-07	1.72E-07	2.47E-07	4.73E-07	8.51E-07	7.62E-06	7.45E-05	6.16E-04
U	9.47E+02	9.47E+02	9.47E+02	9.47E+02	9.47E+02	9.47E+02	9.47E+02	9.48E+02	9.48E+02	9.51E+02	9.56E+02
NP	2.84E+00	2.84E+00	2.84E+00	2.84E+00	2.85E+00	2.86E+00	2.89E+00	2.97E+00	3.65E+00	3.86E+00	2.80E+00
PU	1.02E+01	1.02E+01	1.01E+01	1.00E+01	9.82E+00	9.57E+00	9.23E+00	9.08E+00	8.60E+00	5.88E+00	1.06E+01
AM	5.65E-02	1.03E-01	1.48E-01	2.69E-01	4.34E-01	6.61E-01	9.14E-01	9.22E-01	2.28E-01	4.98E-03	4.95E-10
CM	3.75E-03	3.62E-03	3.50E-03	3.16E-03	2.67E-03	1.93E-03	8.47E-04	4.12E-04	3.02E-04	1.12E-04	1.07E-06
BK	0.00E+00	1.57E-23	1.57E-23	1.57E-23	1.57E-23	1.57E-23	1.57E-23	1.57E-23	1.51E-23	1.06E-23	7.95E-41
CF	0.00E+00	2.89E-20	5.63E-20	1.30E-19	2.30E-19	3.66E-19	5.20E-19	5.56E-19	5.39E-19	3.76E-19	2.83E-36
Summe	9.62E+02	9.62E+02	9.62E+02	9.62E+02	9.62E+02	9.62E+02	9.62E+02	9.62E+02	9.62E+02	9.62E+02	9.62E+02

DWR mit UO ₂ -Brennstoff, WA-Zeitpunkt 7A / MAWC Radioaktivität der Aktinidennuklide [Ci/TSM]											
	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
PO216	0.00E+00	1.64E-05	2.83E-05	4.72E-05	5.52E-05	5.31E-05	3.99E-05	2.47E-05	5.95E-09	1.84E-09	2.41E-08
RN220	0.00E+00	1.64E-05	2.83E-05	4.72E-05	5.52E-05	5.31E-05	3.99E-05	2.47E-05	5.95E-09	1.84E-09	2.41E-08
RA224	0.00E+00	1.64E-05	2.83E-05	4.72E-05	5.52E-05	5.31E-05	3.99E-05	2.47E-05	5.95E-09	1.84E-09	2.41E-08
TH228	0.00E+00	1.64E-05	2.83E-05	4.71E-05	5.52E-05	5.31E-05	3.99E-05	2.47E-05	5.95E-09	1.84E-09	2.41E-08
TH231	0.00E+00	1.68E-05	1.68E-05	1.68E-05	1.68E-05	1.68E-05	1.68E-05	1.68E-05	1.71E-05	1.98E-05	2.91E-05
TH234	0.00E+00	3.14E-04	3.14E-04	3.14E-04	3.14E-04	3.14E-04	3.14E-04	3.14E-04	3.14E-04	3.14E-04	3.14E-04
PA233	0.00E+00	2.00E-03	2.01E-03	2.01E-03	2.01E-03	2.01E-03	2.04E-03	2.09E-03	2.58E-03	2.72E-03	1.97E-03
PA234M	0.00E+00	3.14E-04	3.14E-04	3.14E-04	3.14E-04	3.14E-04	3.14E-04	3.14E-04	3.14E-04	3.14E-04	3.14E-04
U 232	5.33E-05	5.48E-05	5.58E-05	5.71E-05	5.63E-05	5.18E-05	3.89E-05	2.40E-05	5.82E-09	1.66E-09	9.75E-10
U 234	9.85E-04	9.95E-04	1.00E-03	1.03E-03	1.08E-03	1.17E-03	1.39E-03	1.66E-03	2.22E-03	2.17E-03	4.27E-04
U 235	1.68E-05	1.68E-05	1.68E-05	1.68E-05	1.68E-05	1.68E-05	1.68E-05	1.68E-05	1.71E-05	1.98E-05	2.91E-05
U 236	3.11E-04	3.11E-04	3.11E-04	3.12E-04	3.12E-04	3.12E-04	3.12E-04	3.13E-04	3.28E-04	4.19E-04	4.62E-04
U 237	2.58E-03	2.46E-03	2.34E-03	2.03E-03	1.59E-03	9.85E-04	2.32E-04	2.10E-05	6.21E-10	2.98E-10	0.00E+00
U 238	3.14E-04	3.14E-04	3.14E-04	3.14E-04	3.14E-04	3.14E-04	3.14E-04	3.14E-04	3.14E-04	3.14E-04	3.14E-04
NP237	2.00E-03	2.00E-03	2.01E-03	2.01E-03	2.01E-03	2.01E-03	2.04E-03	2.09E-03	2.58E-03	2.72E-03	1.97E-03
NP239	1.27E-01	2.54E-03	2.54E-03	2.54E-03	2.54E-03	2.53E-03	2.53E-03	2.51E-03	2.31E-03	9.92E-04	9.88E-11
PU238	3.46E+00	3.43E+00	3.41E+00	3.33E+00	3.20E+00	2.95E+00	2.33E+00	1.57E+00	1.29E-03	1.21E-23	0.00E+00
PU239	3.61E-01	3.61E-01	3.61E-01	3.61E-01	3.61E-01	3.61E-01	3.60E-01	3.60E-01	3.51E-01	2.71E-01	9.89E-11
PU240	5.89E-01	5.89E-01	5.89E-01	5.88E-01	5.88E-01	5.88E-01	5.86E-01	5.83E-01	5.30E-01	2.04E-01	8.98E-10
PU241	1.03E+02	9.82E+01	9.35E+01	8.10E+01	6.37E+01	3.93E+01	9.28E+00	8.37E-01	2.49E-05	1.19E-05	0.00E+00
PU242	2.43E-03	2.43E-03	2.43E-03	2.43E-03	2.43E-03	2.43E-03	2.43E-03	2.43E-03	2.43E-03	2.39E-03	4.06E-04
AM241	1.50E-01	3.11E-01	4.64E-01	8.80E-01	1.45E+00	2.23E+00	3.09E+00	3.12E+00	7.44E-01	1.23E-05	0.00E+00
AM242M	3.87E-04	3.86E-04	3.84E-04	3.79E-04	3.70E-04	3.54E-04	3.09E-04	2.46E-04	4.06E-06	6.16E-24	0.00E+00
AM242	3.86E-04	3.84E-04	3.82E-04	3.77E-04	3.68E-04	3.52E-04	3.07E-04	2.44E-04	4.04E-06	6.13E-24	0.00E+00
AM243	2.54E-03	2.54E-03	2.54E-03	2.54E-03	2.54E-03	2.53E-03	2.53E-03	2.51E-03	2.31E-03	9.92E-04	9.88E-11
CM242	4.22E-04	3.40E-04	3.21E-04	3.12E-04	3.05E-04	2.91E-04	2.54E-04	2.02E-04	3.34E-06	5.08E-24	0.00E+00
CM243	2.09E-03	2.04E-03	1.99E-03	1.85E-03	1.64E-03	1.29E-03	6.20E-04	1.84E-04	5.76E-14	0.00E+00	0.00E+00
CM244	2.73E-01	2.63E-01	2.53E-01	2.25E-01	1.86E-01	1.27E-01	4.03E-02	5.95E-03	6.57E-18	0.00E+00	0.00E+00
CM245	2.69E-05	2.69E-05	2.69E-05	2.69E-05	2.69E-05	2.69E-05	2.68E-05	2.67E-05	2.48E-05	1.19E-05	0.00E+00
CM246	5.55E-05	5.55E-05	5.55E-05	5.55E-05	5.54E-05	5.54E-05	5.51E-05	5.47E-05	4.80E-05	1.28E-05	4.25E-34
Summe	1.08E+02	1.03E+02	9.86E+01	8.64E+01	6.95E+01	4.56E+01	1.57E+01	6.50E+00	1.64E+00	4.91E-01	3.02E-02

DWR mit UO₂-Brennstoff, WA-Zeitpunkt 7A / MAWC
 Wärmeleistung der Aktinidennuklide [W/TSM]

	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
BI212	0.00E+00	2.80E-07	4.82E-07	8.03E-07	9.39E-07	9.03E-07	6.79E-07	4.20E-07	1.01E-10	3.14E-11	4.09E-10
PO212	0.00E+00	5.60E-07	9.64E-07	1.61E-06	1.88E-06	1.81E-06	1.36E-06	8.40E-07	2.03E-10	6.28E-11	8.19E-10
PO216	0.00E+00	6.51E-07	1.12E-06	1.87E-06	2.19E-06	2.10E-06	1.58E-06	9.77E-07	2.36E-10	7.30E-11	9.52E-10
RN220	0.00E+00	6.24E-07	1.08E-06	1.79E-06	2.10E-06	2.02E-06	1.52E-06	9.37E-07	2.26E-10	7.00E-11	9.13E-10
RA224	0.00E+00	5.64E-07	9.72E-07	1.62E-06	1.90E-06	1.82E-06	1.37E-06	8.47E-07	2.04E-10	6.33E-11	8.26E-10
TH228	0.00E+00	5.38E-07	9.25E-07	1.54E-06	1.81E-06	1.74E-06	1.31E-06	8.08E-07	1.95E-10	6.04E-11	7.87E-10
TH234	0.00E+00	1.27E-07	1.27E-07	1.27E-07	1.27E-07	1.27E-07	1.27E-07	1.27E-07	1.27E-07	1.27E-07	1.28E-07
PA233	0.00E+00	4.55E-06	4.55E-06	4.55E-06	4.56E-06	4.57E-06	4.63E-06	4.75E-06	5.85E-06	6.17E-06	4.48E-06
PA234M	0.00E+00	1.55E-06	1.55E-06	1.55E-06	1.55E-06	1.55E-06	1.55E-06	1.55E-06	1.55E-06	1.55E-06	1.55E-06
U 232	1.71E-06	1.76E-06	1.79E-06	1.83E-06	1.81E-06	1.66E-06	1.25E-06	7.71E-07	1.87E-10	5.33E-11	3.13E-11
U 234	2.84E-05	2.86E-05	2.89E-05	2.97E-05	3.11E-05	3.36E-05	4.00E-05	4.79E-05	6.39E-05	6.26E-05	1.23E-05
U 235	4.65E-07	4.65E-07	4.65E-07	4.65E-07	4.65E-07	4.65E-07	4.65E-07	4.66E-07	4.74E-07	5.50E-07	8.07E-07
U 236	8.44E-06	8.44E-06	8.44E-06	8.44E-06	8.44E-06	8.45E-06	8.46E-06	8.48E-06	8.89E-06	1.13E-05	1.25E-05
U 238	7.96E-06	7.96E-06	7.96E-06	7.96E-06	7.96E-06	7.96E-06	7.96E-06	7.96E-06	7.96E-06	7.96E-06	7.96E-06
NP237	5.89E-05	5.89E-05	5.89E-05	5.89E-05	5.90E-05	5.92E-05	6.00E-05	6.15E-05	7.57E-05	7.99E-05	5.80E-05
NP239	3.07E-04	6.13E-06	6.13E-06	6.13E-06	6.13E-06	6.12E-06	6.11E-06	6.08E-06	5.59E-06	2.40E-06	2.39E-13
PU238	1.15E-01	1.14E-01	1.13E-01	1.10E-01	1.06E-01	9.80E-02	7.73E-02	5.21E-02	4.27E-05	4.01E-25	0.00E+00
PU239	1.12E-02	1.12E-02	1.12E-02	1.12E-02	1.12E-02	1.12E-02	1.12E-02	1.12E-02	1.09E-02	8.42E-03	3.07E-12
PU240	1.83E-02	1.83E-02	1.83E-02	1.83E-02	1.83E-02	1.83E-02	1.83E-02	1.82E-02	1.65E-02	6.36E-03	2.80E-11
PU241	3.17E-03	3.03E-03	2.88E-03	2.50E-03	1.96E-03	1.21E-03	2.86E-04	2.58E-05	7.66E-10	3.68E-10	0.00E+00
PU242	7.18E-05	7.18E-05	7.18E-05	7.18E-05	7.18E-05	7.18E-05	7.18E-05	7.18E-05	7.17E-05	7.06E-05	1.20E-05
AM241	5.02E-03	1.04E-02	1.55E-02	2.94E-02	4.84E-02	7.44E-02	1.03E-01	1.04E-01	2.49E-02	4.12E-07	0.00E+00
AM242M	1.53E-07	1.52E-07	1.52E-07	1.50E-07	1.46E-07	1.40E-07	1.22E-07	9.70E-08	1.60E-09	2.43E-27	0.00E+00
AM242	4.48E-07	4.46E-07	4.44E-07	4.38E-07	4.28E-07	4.09E-07	3.57E-07	2.84E-07	4.69E-09	7.12E-27	0.00E+00
AM243	8.18E-05	8.18E-05	8.18E-05	8.18E-05	8.17E-05	8.17E-05	8.14E-05	8.11E-05	7.45E-05	3.20E-05	3.18E-12
CM242	1.56E-05	1.25E-05	1.18E-05	1.15E-05	1.12E-05	1.07E-05	9.35E-06	7.45E-06	1.23E-07	1.87E-25	0.00E+00
CM243	7.67E-05	7.49E-05	7.31E-05	6.79E-05	6.02E-05	4.72E-05	2.27E-05	6.74E-06	2.11E-15	0.00E+00	0.00E+00
CM244	9.55E-03	9.19E-03	8.85E-03	7.89E-03	6.51E-03	4.44E-03	1.41E-03	2.08E-04	2.30E-19	0.00E+00	0.00E+00
CM245	8.97E-07	8.97E-07	8.97E-07	8.97E-07	8.97E-07	8.96E-07	8.94E-07	8.90E-07	8.27E-07	3.97E-07	0.00E+00
CM246	1.82E-06	1.82E-06	1.82E-06	1.82E-06	1.81E-06	1.81E-06	1.80E-06	1.79E-06	1.57E-06	4.20E-07	1.39E-35
Summe	1.63E-01	1.66E-01	1.70E-01	1.80E-01	1.93E-01	2.08E-01	2.12E-01	1.86E-01	5.27E-02	1.51E-02	7.11E-04

DWR mit UO₂-Brennstoff, WA-Zeitpunkt 7A / MAWC
Radioaktivität der Spaltprodukt nuklide [Ci/TSM]

		ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
		0	1	2	5	10	20	50	100	1000	10000	1000000
H	3	4.10E+02	3.87E+02	3.66E+02	3.09E+02	2.34E+02	1.33E+02	2.48E+01	1.50E+00	0.00E+00	0.00E+00	0.00E+00
C	14	1.60E-02	1.60E-02	1.60E-02	1.60E-02	1.60E-02	1.60E-02	1.59E-02	1.58E-02	1.42E-02	4.77E-03	0.00E+00
SE	79	4.46E-04	4.46E-04	4.46E-04	4.46E-04	4.46E-04	4.46E-04	4.46E-04	4.45E-04	4.41E-04	4.01E-04	1.04E-08
SR	90	7.57E+00	7.39E+00	7.22E+00	6.72E+00	5.97E+00	4.70E+00	2.30E+00	7.01E-01	3.50E-10	0.00E+00	0.00E+00
Y	90	7.57E+00	7.40E+00	7.22E+00	6.72E+00	5.97E+00	4.71E+00	2.30E+00	7.01E-01	3.51E-10	0.00E+00	0.00E+00
ZR	93	7.52E-03	7.52E-03	7.52E-03	7.52E-03	7.52E-03	7.52E-03	7.52E-03	7.52E-03	7.52E-03	7.49E-03	4.78E-03
NB	93M	7.23E-05	4.24E-04	7.58E-04	1.66E-03	2.90E-03	4.59E-03	6.59E-03	7.10E-03	7.14E-03	7.12E-03	4.54E-03
TC	99	7.76E-03	7.76E-03	7.76E-03	7.76E-03	7.76E-03	7.76E-03	7.76E-03	7.76E-03	7.73E-03	7.51E-03	3.00E-04
RU106		1.01E+01	5.08E+00	2.55E+00	3.25E-01	1.04E-02	1.10E-05	1.21E-14	1.43E-29	0.00E+00	0.00E+00	0.00E+00
RH106		9.09E+00	5.08E+00	2.55E+00	3.25E-01	1.04E-02	1.10E-05	1.21E-14	1.43E-29	0.00E+00	0.00E+00	0.00E+00
PD107		7.53E-05	7.53E-05	7.53E-05	7.53E-05	7.53E-05	7.53E-05	7.53E-05	7.53E-05	7.53E-05	7.52E-05	6.77E-05
CD113M		3.42E-03	3.26E-03	3.11E-03	2.70E-03	2.13E-03	1.32E-03	3.18E-04	2.96E-05	8.05E-24	0.00E+00	0.00E+00
SN121M		1.76E-04	1.73E-04	1.71E-04	1.64E-04	1.53E-04	1.33E-04	8.78E-05	4.39E-05	1.67E-10	0.00E+00	0.00E+00
SN126		6.66E-04	6.66E-04	6.66E-04	6.66E-04	6.66E-04	6.65E-04	6.65E-04	6.65E-04	6.61E-04	6.21E-04	6.98E-07
SB125		1.34E+00	1.04E+00	8.12E-01	3.82E-01	1.09E-01	8.85E-03	4.74E-06	1.68E-11	0.00E+00	0.00E+00	0.00E+00
SB126		6.52E-05	9.32E-05	9.32E-05	9.32E-05	9.32E-05	9.32E-05	9.31E-05	9.31E-05	9.25E-05	8.69E-05	9.77E-08
SB126M		4.66E-04	6.66E-04	6.66E-04	6.66E-04	6.66E-04	6.65E-04	6.65E-04	6.65E-04	6.61E-04	6.21E-04	6.98E-07
TE125M		4.67E-01	2.56E-01	1.98E-01	9.33E-02	2.66E-02	2.16E-03	1.16E-06	4.09E-12	0.00E+00	0.00E+00	0.00E+00
CS134		2.10E+00	1.50E+00	1.07E+00	3.92E-01	7.30E-02	2.53E-03	1.06E-07	5.33E-15	0.00E+00	0.00E+00	0.00E+00
CS135		3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.81E-05	3.80E-05	2.82E-05
CS137		1.10E+01	1.07E+01	1.05E+01	9.78E+00	8.71E+00	6.91E+00	3.46E+00	1.09E+00	1.02E-09	0.00E+00	0.00E+00
BA137M		1.04E+01	1.01E+01	9.91E+00	9.25E+00	8.24E+00	6.54E+00	3.27E+00	1.03E+00	9.64E-10	0.00E+00	0.00E+00
CE144		2.59E-01	1.06E-01	4.36E-02	3.02E-03	3.52E-05	4.78E-09	1.20E-20	5.53E-40	0.00E+00	0.00E+00	0.00E+00
PR144		2.59E-01	1.06E-01	4.36E-02	3.02E-03	3.52E-05	4.78E-09	1.20E-20	5.53E-40	0.00E+00	0.00E+00	0.00E+00
PR144M		3.11E-03	1.28E-03	5.24E-04	3.62E-05	4.22E-07	5.74E-11	1.44E-22	6.64E-42	0.00E+00	0.00E+00	0.00E+00
PM147		2.70E+00	2.07E+00	1.59E+00	7.21E-01	1.92E-01	1.37E-02	4.96E-06	9.11E-12	0.00E+00	0.00E+00	0.00E+00
SM151		3.57E-02	3.54E-02	3.52E-02	3.44E-02	3.31E-02	3.06E-02	2.43E-02	1.65E-02	1.62E-05	0.00E+00	0.00E+00
EU152		3.03E-04	2.88E-04	2.74E-04	2.35E-04	1.82E-04	1.09E-04	2.37E-05	1.86E-06	2.26E-26	0.00E+00	0.00E+00
EU154		9.18E-01	8.46E-01	7.81E-01	6.13E-01	4.10E-01	1.83E-01	1.63E-02	2.90E-04	0.00E+00	0.00E+00	0.00E+00
EU155		3.66E-01	3.19E-01	2.77E-01	1.82E-01	9.06E-02	2.24E-02	3.38E-04	3.13E-07	0.00E+00	0.00E+00	0.00E+00
Summe		4.74E+02	4.39E+02	4.11E+02	3.45E+02	2.64E+02	1.56E+02	3.62E+01	5.08E+00	3.86E-02	2.87E-02	9.73E-03

DWR mit UO ₂ -Brennstoff, WA-Zeitpunkt 7A / MAWC												
Wärmeleistung der Spaltprodukt nuklide [W/TSM]												
ZEITEN NACH DER WIEDERAUFARBEITUNG [A]												
		0	1	2	5	10	20	50	100	1000	10000	1000000
H	3	1.38E-02	1.31E-02	1.24E-02	1.05E-02	7.89E-03	4.50E-03	8.36E-04	5.06E-05	0.00E+00	0.00E+00	0.00E+00
C	14	4.70E-06	4.70E-06	4.70E-06	4.69E-06	4.69E-06	4.68E-06	4.67E-06	4.64E-06	4.16E-06	1.40E-06	0.00E+00
SE	79	1.11E-07	1.11E-07	1.11E-07	1.11E-07	1.11E-07	1.11E-07	1.11E-07	1.11E-07	1.10E-07	9.97E-08	2.58E-12
SR	90	8.79E-03	8.58E-03	8.38E-03	7.80E-03	6.93E-03	5.46E-03	2.67E-03	8.14E-04	4.07E-13	0.00E+00	0.00E+00
Y	90	4.20E-02	4.10E-02	4.00E-02	3.73E-02	3.31E-02	2.61E-02	1.28E-02	3.89E-03	1.94E-12	0.00E+00	0.00E+00
ZR	93	8.74E-07	8.74E-07	8.74E-07	8.74E-07	8.74E-07	8.74E-07	8.74E-07	8.74E-07	8.74E-07	8.70E-07	5.56E-07
NB	93M	1.28E-08	7.51E-08	1.34E-07	2.95E-07	5.13E-07	8.14E-07	1.17E-06	1.26E-06	1.27E-06	1.26E-06	8.05E-07
TC	99	3.89E-06	3.89E-06	3.89E-06	3.89E-06	3.89E-06	3.89E-06	3.89E-06	3.89E-06	3.88E-06	3.77E-06	1.50E-07
RU	106	5.99E-04	3.01E-04	1.51E-04	1.93E-05	6.19E-07	6.52E-10	7.20E-19	8.49E-34	0.00E+00	0.00E+00	0.00E+00
RH	106	8.72E-02	4.87E-02	2.45E-02	3.11E-03	1.00E-04	1.06E-07	1.16E-16	1.37E-31	0.00E+00	0.00E+00	0.00E+00
AG	110M	5.96E-06	2.16E-06	7.86E-07	3.77E-08	2.38E-10	9.49E-15	6.03E-28	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CD	113M	5.76E-06	5.50E-06	5.24E-06	4.55E-06	3.58E-06	2.23E-06	5.36E-07	4.99E-08	1.35E-26	0.00E+00	0.00E+00
SN	121M	3.52E-07	3.47E-07	3.42E-07	3.28E-07	3.06E-07	2.67E-07	1.76E-07	8.80E-08	3.34E-13	0.00E+00	0.00E+00
SN	126	8.30E-07	8.30E-07	8.30E-07	8.30E-07	8.30E-07	8.30E-07	8.30E-07	8.30E-07	8.24E-07	7.75E-07	8.70E-10
SB	125	4.19E-03	3.26E-03	2.54E-03	1.19E-03	3.40E-04	2.77E-05	1.48E-08	5.24E-14	0.00E+00	0.00E+00	0.00E+00
SB	126	1.21E-06	1.72E-06	1.72E-06	1.72E-06	1.72E-06	1.72E-06	1.72E-06	1.72E-06	1.71E-06	1.61E-06	1.80E-09
SB	126M	5.93E-06	8.47E-06	8.47E-06	8.47E-06	8.47E-06	8.47E-06	8.47E-06	8.47E-06	8.42E-06	7.91E-06	8.88E-09
TE	125M	3.93E-04	2.15E-04	1.66E-04	7.84E-05	2.23E-05	1.81E-06	9.73E-10	3.44E-15	0.00E+00	0.00E+00	0.00E+00
CS	134	2.14E-02	1.53E-02	1.09E-02	3.99E-03	7.43E-04	2.58E-05	1.08E-09	5.43E-17	0.00E+00	0.00E+00	0.00E+00
CS	135	1.27E-08	1.27E-08	1.27E-08	1.27E-08	1.27E-08	1.27E-08	1.27E-08	1.27E-08	1.27E-08	1.27E-08	9.40E-09
CS	137	1.21E-02	1.19E-02	1.16E-02	1.08E-02	9.64E-03	7.65E-03	3.82E-03	1.20E-03	1.13E-12	0.00E+00	0.00E+00
BA	137M	4.08E-02	3.98E-02	3.89E-02	3.63E-02	3.24E-02	2.57E-02	1.28E-02	4.05E-03	3.78E-12	0.00E+00	0.00E+00
CE	144	1.72E-04	7.05E-05	2.89E-05	2.00E-06	2.33E-08	3.17E-12	7.94E-24	3.67E-43	0.00E+00	0.00E+00	0.00E+00
PR	144	1.90E-03	7.81E-04	3.21E-04	2.22E-05	2.59E-07	3.51E-11	8.80E-23	4.07E-42	0.00E+00	0.00E+00	0.00E+00
PR	144M	1.06E-06	4.36E-07	1.79E-07	1.24E-08	1.44E-10	1.96E-14	4.91E-26	2.27E-45	0.00E+00	0.00E+00	0.00E+00
PM	147	9.69E-04	7.44E-04	5.71E-04	2.59E-04	6.90E-05	4.92E-06	1.78E-09	3.27E-15	0.00E+00	0.00E+00	0.00E+00
SM	151	4.19E-06	4.16E-06	4.13E-06	4.03E-06	3.88E-06	3.59E-06	2.85E-06	1.94E-06	1.90E-09	0.00E+00	0.00E+00
EU	152	2.30E-06	2.18E-06	2.08E-06	1.78E-06	1.38E-06	8.30E-07	1.80E-07	1.41E-08	1.71E-28	0.00E+00	0.00E+00
EU	154	8.21E-03	7.57E-03	6.99E-03	5.49E-03	3.67E-03	1.64E-03	1.46E-04	2.60E-06	0.00E+00	0.00E+00	0.00E+00
EU	155	2.66E-04	2.32E-04	2.01E-04	1.32E-04	6.59E-05	1.63E-05	2.46E-07	2.27E-10	0.00E+00	0.00E+00	0.00E+00
Summe		2.43E-01	1.92E-01	1.58E-01	1.17E-01	9.49E-02	7.11E-02	3.31E-02	1.00E-02	2.13E-05	1.77E-05	1.54E-06

DWR mit UO₂-Brennstoff, WA-Zeitpunkt 7A / FKS
 Konzentrationen der Aktinidenelemente [G/TSM]

	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
HE	1.11E+00	1.11E+00	1.11E+00	1.11E+00	1.11E+00	1.11E+00	1.12E+00	1.14E+00	1.27E+00	1.53E+00	2.47E+00
TL	0.00E+00	6.09E-14	1.06E-13	1.82E-13	2.19E-13	2.13E-13	1.61E-13	9.98E-14	5.64E-15	6.27E-14	8.26E-13
PB	0.00E+00	1.05E-08	3.84E-08	1.87E-07	5.28E-07	1.25E-06	3.10E-06	5.22E-06	1.08E-05	1.05E-03	1.47E+00
BI	0.00E+00	3.42E-12	5.97E-12	1.03E-11	1.27E-11	1.39E-11	2.17E-11	5.99E-11	4.87E-08	1.07E-04	1.53E+00
PO	0.00E+00	1.48E-16	3.03E-16	1.62E-15	1.33E-14	9.93E-14	1.40E-12	9.79E-12	3.16E-09	1.35E-07	3.73E-07
AT	0.00E+00	1.53E-23	3.06E-23	7.66E-23	1.53E-22	3.08E-22	7.94E-22	1.80E-21	2.67E-19	4.83E-17	2.66E-15
RN	0.00E+00	5.42E-14	9.46E-14	1.63E-13	1.99E-13	2.06E-13	2.59E-13	6.27E-13	9.22E-11	3.93E-09	1.09E-08
FR	0.00E+00	1.45E-19	3.02E-19	8.41E-19	1.95E-18	4.80E-18	1.68E-17	4.32E-17	2.81E-15	4.42E-13	2.42E-11
RA	0.00E+00	3.20E-10	5.71E-10	1.09E-09	1.74E-09	3.67E-09	1.89E-08	8.43E-08	1.43E-05	6.11E-04	1.70E-03
AC	0.00E+00	2.32E-13	9.18E-13	5.56E-12	2.11E-11	7.66E-11	3.67E-10	1.03E-09	1.48E-08	1.56E-07	1.65E-06
TH	0.00E+00	1.85E-06	3.66E-06	9.18E-06	1.87E-05	3.91E-05	1.11E-04	2.59E-04	4.32E-03	4.44E-02	8.79E-01
PA	0.00E+00	2.27E-08	4.54E-08	1.14E-07	2.27E-07	4.55E-07	1.14E-06	2.29E-06	2.29E-05	2.37E-04	2.41E-03
U	2.84E+03	2.84E+03	2.84E+03	2.84E+03	2.84E+03	2.84E+03	2.84E+03	2.84E+03	2.85E+03	2.86E+03	2.89E+03
NP	0.00E+00	5.01E-03	1.04E-02	2.84E-02	6.41E-02	1.51E-01	4.69E-01	1.03E+00	6.29E+00	7.90E+00	5.73E+00
PU	5.11E+01	5.09E+01	5.06E+01	5.00E+01	4.91E+01	4.78E+01	4.61E+01	4.54E+01	4.31E+01	2.98E+01	5.31E-01
AM	3.95E+00	4.18E+00	4.40E+00	4.99E+00	5.80E+00	6.89E+00	8.02E+00	7.85E+00	2.47E+00	3.48E-01	1.20E-10
CM	0.00E+00	5.41E-06	6.61E-06	7.11E-06	7.32E-06	7.54E-06	7.53E-06	7.02E-06	6.36E-06	3.34E-06	2.67E-07
BK	2.12E-08	9.61E-09	4.36E-09	4.06E-10	7.78E-12	2.86E-15	1.42E-25	9.48E-43	0.00E+00	0.00E+00	0.00E+00
CF	7.78E-06	7.68E-06	7.57E-06	7.29E-06	6.92E-06	6.39E-06	5.60E-06	4.99E-06	9.24E-07	1.22E-10	0.00E+00
Summe	2.90E+03	2.90E+03	2.90E+03	2.90E+03	2.90E+03	2.90E+03	2.90E+03	2.90E+03	2.90E+03	2.90E+03	2.90E+03

DWR mit UO ₂ -Brennstoff, WA-Zeitpunkt 7A / FKS Radioaktivität der Aktinidennuklide [Ci/TSM]											
	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
PB212	0.00E+00	5.00E-05	8.72E-05	1.49E-04	1.80E-04	1.75E-04	1.32E-04	8.16E-05	1.42E-08	6.16E-10	8.51E-08
BI212	0.00E+00	5.00E-05	8.72E-05	1.49E-04	1.80E-04	1.75E-04	1.32E-04	8.16E-05	1.42E-08	6.16E-10	8.51E-08
PO212	0.00E+00	3.21E-05	5.59E-05	9.58E-05	1.15E-04	1.12E-04	8.47E-05	5.23E-05	9.08E-09	3.95E-10	5.46E-08
PO216	0.00E+00	5.00E-05	8.72E-05	1.49E-04	1.80E-04	1.75E-04	1.32E-04	8.16E-05	1.42E-08	6.16E-10	8.51E-08
RN220	0.00E+00	5.00E-05	8.72E-05	1.49E-04	1.80E-04	1.75E-04	1.32E-04	8.16E-05	1.42E-08	6.16E-10	8.51E-08
RA224	0.00E+00	5.00E-05	8.72E-05	1.49E-04	1.80E-04	1.75E-04	1.32E-04	8.16E-05	1.42E-08	6.16E-10	8.51E-08
TH228	0.00E+00	5.00E-05	8.70E-05	1.49E-04	1.79E-04	1.75E-04	1.32E-04	8.16E-05	1.42E-08	6.16E-10	8.51E-08
TH231	0.00E+00	5.03E-05	5.03E-05	5.03E-05	5.03E-05	5.03E-05	5.03E-05	5.04E-05	5.20E-05	6.59E-05	1.14E-04
TH234	0.00E+00	9.43E-04	9.43E-04	9.43E-04	9.43E-04	9.43E-04	9.43E-04	9.43E-04	9.43E-04	9.43E-04	9.44E-04
PA233	0.00E+00	3.54E-06	7.32E-06	2.00E-05	4.52E-05	1.06E-04	3.31E-04	7.27E-04	4.44E-03	5.57E-03	4.04E-03
PA234M	0.00E+00	9.43E-04	9.43E-04	9.43E-04	9.43E-04	9.43E-04	9.43E-04	9.43E-04	9.43E-04	9.43E-04	9.44E-04
U 232	1.60E-04	1.68E-04	1.74E-04	1.84E-04	1.85E-04	1.71E-04	1.29E-04	7.94E-05	1.37E-08	0.00E+00	0.00E+00
U 234	2.95E-03	3.00E-03	3.05E-03	3.20E-03	3.43E-03	3.86E-03	4.98E-03	6.35E-03	9.15E-03	8.95E-03	1.43E-03
U 235	5.03E-05	5.03E-05	5.03E-05	5.03E-05	5.03E-05	5.03E-05	5.03E-05	5.04E-05	5.20E-05	6.59E-05	1.14E-04
U 236	9.34E-04	9.34E-04	9.35E-04	9.35E-04	9.35E-04	9.36E-04	9.39E-04	9.43E-04	1.02E-03	1.47E-03	1.71E-03
U 237	7.73E-03	1.23E-02	1.17E-02	1.01E-02	7.97E-03	4.92E-03	1.16E-03	1.05E-04	1.99E-11	1.13E-11	0.00E+00
U 238	9.43E-04	9.43E-04	9.43E-04	9.43E-04	9.43E-04	9.43E-04	9.43E-04	9.43E-04	9.43E-04	9.43E-04	9.44E-04
NP237	0.00E+00	3.54E-06	7.32E-06	2.00E-05	4.52E-05	1.06E-04	3.31E-04	7.27E-04	4.44E-03	5.57E-03	4.04E-03
NP238	0.00E+00	1.35E-04	1.34E-04	1.33E-04	1.30E-04	1.24E-04	1.08E-04	8.60E-05	1.42E-06	2.15E-24	0.00E+00
NP239	0.00E+00	1.78E-01	1.78E-01	1.78E-01	1.77E-01	1.77E-01	1.77E-01	1.76E-01	1.62E-01	6.95E-02	2.39E-11
PU238	1.73E+01	1.72E+01	1.70E+01	1.66E+01	1.60E+01	1.48E+01	1.17E+01	7.86E+00	6.67E-03	8.46E-22	0.00E+00
PU239	1.80E+00	1.80E+00	1.80E+00	1.80E+00	1.80E+00	1.80E+00	1.80E+00	1.80E+00	1.76E+00	1.38E+00	2.44E-11
PU240	2.94E+00	2.94E+00	2.94E+00	2.94E+00	2.94E+00	2.94E+00	2.93E+00	2.91E+00	2.65E+00	1.02E+00	4.49E-09
PU241	5.15E+02	4.91E+02	4.68E+02	4.05E+02	3.18E+02	1.97E+02	4.64E+01	4.18E+00	7.96E-07	4.50E-07	0.00E+00
PU242	1.22E-02	1.22E-02	1.22E-02	1.22E-02	1.22E-02	1.22E-02	1.22E-02	1.22E-02	1.21E-02	1.19E-02	2.03E-03
AM241	1.05E+01	1.13E+01	1.20E+01	1.41E+01	1.68E+01	2.06E+01	2.45E+01	2.39E+01	5.69E+00	3.53E-06	0.00E+00
AM242M	2.71E-02	2.70E-02	2.69E-02	2.65E-02	2.59E-02	2.48E-02	2.16E-02	1.72E-02	2.84E-04	4.31E-22	0.00E+00
AM242	2.70E-02	2.69E-02	2.67E-02	2.64E-02	2.58E-02	2.46E-02	2.15E-02	1.71E-02	2.83E-04	4.29E-22	0.00E+00
AM243	1.78E-01	1.78E-01	1.78E-01	1.78E-01	1.77E-01	1.77E-01	1.77E-01	1.76E-01	1.62E-01	6.95E-02	2.39E-11
CM242	0.00E+00	1.75E-02	2.11E-02	2.19E-02	2.13E-02	2.04E-02	1.78E-02	1.41E-02	2.34E-04	3.56E-22	0.00E+00
Summe	5.48E+02	5.24E+02	5.02E+02	4.41E+02	3.56E+02	2.37E+02	8.77E+01	4.11E+01	1.05E+01	2.58E+00	7.27E-02

DWR mit UO₂-Brennstoff, WA-Zeitpunkt 7A / FKS
 Wärmeleistung der Aktinidennuklide [W/TSM]

	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
TL208	0.00E+00	4.22E-07	7.36E-07	1.26E-06	1.52E-06	1.48E-06	1.12E-06	6.89E-07	1.20E-10	5.21E-12	7.19E-10
BI212	0.00E+00	8.50E-07	1.48E-06	2.54E-06	3.05E-06	2.98E-06	2.25E-06	1.39E-06	2.41E-10	1.05E-11	1.45E-09
PO212	0.00E+00	1.70E-06	2.97E-06	5.08E-06	6.11E-06	5.96E-06	4.49E-06	2.78E-06	4.82E-10	2.10E-11	2.90E-09
PO216	0.00E+00	1.98E-06	3.45E-06	5.91E-06	7.11E-06	6.93E-06	5.23E-06	3.23E-06	5.61E-10	2.44E-11	3.37E-09
RN220	0.00E+00	1.90E-06	3.31E-06	5.67E-06	6.82E-06	6.65E-06	5.01E-06	3.10E-06	5.38E-10	2.34E-11	3.23E-09
RA224	0.00E+00	1.72E-06	2.99E-06	5.13E-06	6.16E-06	6.01E-06	4.53E-06	2.80E-06	4.86E-10	2.11E-11	2.92E-09
TH228	0.00E+00	1.64E-06	2.85E-06	4.88E-06	5.87E-06	5.73E-06	4.32E-06	2.67E-06	4.63E-10	2.02E-11	2.78E-09
TH234	0.00E+00	3.82E-07	3.82E-07	3.82E-07	3.82E-07	3.82E-07	3.82E-07	3.82E-07	3.82E-07	3.82E-07	3.83E-07
PA233	0.00E+00	8.02E-09	1.66E-08	4.55E-08	1.03E-07	2.41E-07	7.51E-07	1.65E-06	1.01E-05	1.26E-05	9.18E-06
PA234M	0.00E+00	4.66E-06	4.66E-06	4.66E-06	4.66E-06	4.66E-06	4.66E-06	4.66E-06	4.66E-06	4.66E-06	4.66E-06
U 232	5.13E-06	5.40E-06	5.60E-06	5.90E-06	5.93E-06	5.49E-06	4.13E-06	2.55E-06	4.41E-10	0.00E+00	0.00E+00
U 234	8.51E-05	8.65E-05	8.79E-05	9.20E-05	9.86E-05	1.11E-04	1.43E-04	1.83E-04	2.64E-04	2.58E-04	4.11E-05
U 235	1.39E-06	1.39E-06	1.39E-06	1.39E-06	1.39E-06	1.39E-06	1.40E-06	1.40E-06	1.44E-06	1.83E-06	3.15E-06
U 236	2.53E-05	2.53E-05	2.53E-05	2.53E-05	2.53E-05	2.54E-05	2.54E-05	2.55E-05	2.75E-05	3.99E-05	4.62E-05
U 237	1.46E-05	2.32E-05	2.22E-05	1.92E-05	1.51E-05	9.32E-06	2.20E-06	1.98E-07	3.76E-14	2.13E-14	0.00E+00
U 238	2.39E-05	2.39E-05	2.39E-05	2.39E-05	2.39E-05	2.39E-05	2.39E-05	2.39E-05	2.39E-05	2.39E-05	2.39E-05
NP237	0.00E+00	1.04E-07	2.15E-07	5.89E-07	1.33E-06	3.12E-06	9.73E-06	2.14E-05	1.30E-04	1.64E-04	1.19E-04
NP238	0.00E+00	6.47E-07	6.44E-07	6.35E-07	6.21E-07	5.93E-07	5.17E-07	4.12E-07	6.80E-09	1.03E-26	0.00E+00
NP239	0.00E+00	4.29E-04	4.29E-04	4.29E-04	4.29E-04	4.29E-04	4.27E-04	4.25E-04	3.91E-04	1.68E-04	5.77E-14
PU238	5.74E-01	5.69E-01	5.65E-01	5.51E-01	5.30E-01	4.90E-01	3.87E-01	2.61E-01	2.21E-04	2.81E-23	0.00E+00
PU239	5.61E-02	5.61E-02	5.61E-02	5.61E-02	5.61E-02	5.61E-02	5.60E-02	5.59E-02	5.46E-02	4.29E-02	7.60E-13
PU240	9.17E-02	9.17E-02	9.17E-02	9.16E-02	9.16E-02	9.15E-02	9.12E-02	9.07E-02	8.25E-02	3.18E-02	1.40E-10
PU241	1.59E-02	1.51E-02	1.44E-02	1.25E-02	9.81E-03	6.06E-03	1.43E-03	1.29E-04	2.45E-11	1.39E-11	0.00E+00
PU242	3.59E-04	3.59E-04	3.59E-04	3.59E-04	3.59E-04	3.59E-04	3.59E-04	3.59E-04	3.58E-04	3.53E-04	5.99E-05
AM241	3.51E-01	3.77E-01	4.03E-01	4.70E-01	5.63E-01	6.88E-01	8.18E-01	8.00E-01	1.90E-01	1.18E-07	0.00E+00
AM242M	1.07E-05	1.07E-05	1.06E-05	1.05E-05	1.02E-05	9.77E-06	8.53E-06	6.79E-06	1.12E-07	1.70E-25	0.00E+00
AM242	3.14E-05	3.12E-05	3.11E-05	3.06E-05	3.00E-05	2.86E-05	2.50E-05	1.99E-05	3.28E-07	4.98E-25	0.00E+00
AM243	5.73E-03	5.73E-03	5.73E-03	5.73E-03	5.72E-03	5.72E-03	5.70E-03	5.67E-03	5.21E-03	2.24E-03	7.69E-13
CM242	0.00E+00	6.45E-04	7.79E-04	8.05E-04	7.86E-04	7.51E-04	6.55E-04	5.21E-04	8.61E-06	1.31E-23	0.00E+00
CF249	8.78E-07	8.78E-07	8.77E-07	8.72E-07	8.64E-07	8.47E-07	7.98E-07	7.23E-07	1.22E-07	2.28E-15	0.00E+00
Summe	1.09E+00	1.12E+00	1.14E+00	1.19E+00	1.26E+00	1.34E+00	1.36E+00	1.21E+00	3.34E-01	7.81E-02	1.70E-03

DWR mit UO₂-Brennstoff, WA-Zeitpunkt 7A / FKS
Radioaktivität der Spaltprodukt nuklide [Ci/TSM]

		ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
		0	1	2	5	10	20	50	100	1000	10000	1000000
H	3	4.10E+02	3.87E+02	3.66E+02	3.09E+02	2.34E+02	1.33E+02	2.48E+01	1.50E+00	0.00E+00	0.00E+00	0.00E+00
C	14	1.60E-02	1.60E-02	1.60E-02	1.60E-02	1.60E-02	1.60E-02	1.59E-02	1.58E-02	1.42E-02	4.77E-03	0.00E+00
SE	79	1.78E-01	1.78E-01	1.78E-01	1.78E-01	1.78E-01	1.78E-01	1.78E-01	1.78E-01	1.76E-01	1.60E-01	4.15E-06
ZR	93	7.52E-01	7.52E-01	7.52E-01	7.52E-01	7.52E-01	7.52E-01	7.52E-01	7.52E-01	7.52E-01	7.49E-01	4.78E-01
NB	93M	6.87E-01	6.88E-01	6.89E-01	6.93E-01	6.98E-01	7.05E-01	7.13E-01	7.15E-01	7.14E-01	7.12E-01	4.54E-01
NB	94	1.88E-04	1.88E-04	1.88E-04	1.88E-04	1.88E-04	1.88E-04	1.88E-04	1.87E-04	1.82E-04	1.34E-04	2.81E-19
NB	95	3.62E-06	2.72E-08	4.90E-10	3.31E-15	8.49E-24	5.60E-41	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NB	95M	1.17E-08	8.23E-11	1.58E-12	1.10E-17	2.84E-26	1.87E-43	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TC	99	3.10E+00	3.10E+00	3.10E+00	3.10E+00	3.10E+00	3.10E+00	3.10E+00	3.10E+00	3.09E+00	3.00E+00	1.20E-01
RU	106	3.03E+03	1.52E+03	7.66E+02	9.74E+01	3.13E+00	3.29E-03	3.63E-12	4.28E-27	0.00E+00	0.00E+00	0.00E+00
RH	106	2.53E+03	1.52E+03	7.66E+02	9.74E+01	3.13E+00	3.29E-03	3.63E-12	4.28E-27	0.00E+00	0.00E+00	0.00E+00
PD	107	2.51E-02	2.51E-02	2.51E-02	2.51E-02	2.51E-02	2.51E-02	2.51E-02	2.51E-02	2.51E-02	2.51E-02	2.26E-02
AG	108	2.82E-06	2.80E-06	2.78E-06	2.74E-06	2.67E-06	2.52E-06	2.14E-06	1.63E-06	1.20E-08	5.66E-30	0.00E+00
AG	108M	3.16E-05	3.15E-05	3.13E-05	3.08E-05	3.00E-05	2.84E-05	2.41E-05	1.83E-05	1.35E-07	6.36E-29	0.00E+00
AG	109M	3.59E-07	4.39E-08	2.54E-08	4.95E-09	3.24E-10	1.38E-12	1.08E-19	1.54E-31	0.00E+00	0.00E+00	0.00E+00
AG	110	4.51E-02	1.64E-02	5.95E-03	2.85E-04	1.80E-06	7.19E-11	4.57E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00
AG	110M	3.39E+00	1.23E+00	4.47E-01	2.14E-02	1.36E-04	5.41E-09	3.43E-22	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CD	109	7.57E-08	4.39E-08	2.54E-08	4.95E-09	3.24E-10	1.38E-12	1.08E-19	1.54E-31	0.00E+00	0.00E+00	0.00E+00
CD	113M	6.85E+00	6.53E+00	6.23E+00	5.40E+00	4.26E+00	2.65E+00	6.37E-01	5.92E-02	1.61E-20	0.00E+00	0.00E+00
SN	119M	8.25E-02	2.94E-02	1.05E-02	4.71E-04	2.69E-06	8.79E-11	3.05E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SN	121M	1.41E-01	1.39E-01	1.37E-01	1.31E-01	1.22E-01	1.07E-01	7.03E-02	3.51E-02	1.33E-07	0.00E+00	0.00E+00
SN	123	2.12E-03	2.99E-04	4.21E-05	1.18E-07	6.56E-12	2.03E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SN	126	5.32E-01	5.32E-01	5.32E-01	5.32E-01	5.32E-01	5.32E-01	5.32E-01	5.32E-01	5.29E-01	4.97E-01	5.30E-04
SB	125	1.82E+03	1.42E+03	1.10E+03	5.19E+02	1.48E+02	1.20E+01	6.43E-03	2.28E-08	0.00E+00	0.00E+00	0.00E+00
SB	126	8.85E-02	7.45E-02	7.45E-02	7.45E-02	7.45E-02	7.45E-02	7.45E-02	7.45E-02	7.40E-02	6.96E-02	7.42E-05
SB	126M	6.32E-01	5.32E-01	5.32E-01	5.32E-01	5.32E-01	5.32E-01	5.32E-01	5.32E-01	5.29E-01	4.97E-01	5.30E-04
TE	123M	1.87E-06	2.25E-07	2.72E-08	4.82E-11	1.23E-15	8.03E-25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TE	125M	1.87E+02	3.42E+02	2.69E+02	1.27E+02	3.61E+01	2.93E+00	1.57E-03	5.55E-09	0.00E+00	0.00E+00	0.00E+00
TE	127	5.09E-04	4.99E-05	4.89E-06	4.62E-09	4.19E-14	3.45E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TE	127M	5.20E-04	5.10E-05	5.00E-06	4.71E-09	4.28E-14	3.52E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Summe		8.14E+03	5.21E+03	3.28E+03	1.16E+03	4.34E+02	1.57E+02	3.14E+01	7.52E+00	5.91E+00	5.72E+00	1.08E+00

DWR mit UO ₂ -Brennstoff, WA-Zeitpunkt 7A / FKS												
Wärmeleistung der Spaltprodukt nuklide [W/TSM]												
ZEITEN NACH DER WIEDERAUFARBEITUNG [A]												
		0	1	2	5	10	20	50	100	1000	10000	1000000
H	3	1.38E-02	1.31E-02	1.24E-02	1.05E-02	7.89E-03	4.50E-03	8.36E-04	5.06E-05	0.00E+00	0.00E+00	0.00E+00
C	14	4.70E-06	4.70E-06	4.70E-06	4.69E-06	4.69E-06	4.68E-06	4.67E-06	4.64E-06	4.16E-06	1.40E-06	0.00E+00
SE	79	4.44E-05	4.44E-05	4.44E-05	4.44E-05	4.44E-05	4.44E-05	4.44E-05	4.43E-05	4.39E-05	3.99E-05	1.03E-09
ZR	93	8.74E-05	8.74E-05	8.74E-05	8.74E-05	8.74E-05	8.74E-05	8.74E-05	8.74E-05	8.74E-05	8.70E-05	5.56E-05
ZR	95	2.94E-09	5.62E-11	1.08E-12	7.54E-18	1.94E-26	1.28E-43	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NB	93M	1.22E-04	1.22E-04	1.22E-04	1.23E-04	1.24E-04	1.25E-04	1.26E-04	1.27E-04	1.27E-04	1.26E-04	8.05E-05
NB	94	1.92E-06	1.92E-06	1.92E-06	1.92E-06	1.92E-06	1.91E-06	1.91E-06	1.91E-06	1.85E-06	1.36E-06	2.86E-21
NB	95	1.74E-08	1.31E-10	2.35E-12	1.59E-17	4.07E-26	2.69E-43	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TC	99	1.56E-03	1.56E-03	1.56E-03	1.56E-03	1.56E-03	1.56E-03	1.56E-03	1.56E-03	1.55E-03	1.51E-03	6.02E-05
RU	106	1.80E-01	9.03E-02	4.54E-02	5.78E-03	1.86E-04	1.95E-07	2.15E-16	2.54E-31	0.00E+00	0.00E+00	0.00E+00
RH	106	2.42E+01	1.46E+01	7.35E+00	9.34E-01	3.00E-02	3.16E-05	3.49E-14	4.11E-29	0.00E+00	0.00E+00	0.00E+00
PD	107	1.49E-06	1.49E-06	1.49E-06	1.49E-06	1.49E-06	1.49E-06	1.49E-06	1.49E-06	1.49E-06	1.49E-06	1.34E-06
AG	108	1.05E-08	1.04E-08	1.04E-08	1.02E-08	9.93E-09	9.41E-09	7.98E-09	6.08E-09	4.48E-11	2.11E-32	0.00E+00
AG	108M	3.08E-07	3.06E-07	3.04E-07	2.99E-07	2.91E-07	2.76E-07	2.34E-07	1.78E-07	1.31E-09	6.18E-31	0.00E+00
AG	109M	1.85E-10	2.26E-11	1.31E-11	2.55E-12	1.67E-13	7.13E-16	5.57E-23	7.96E-35	0.00E+00	0.00E+00	0.00E+00
AG	110	3.24E-04	1.18E-04	4.27E-05	2.05E-06	1.29E-08	5.17E-13	3.28E-26	0.00E+00	0.00E+00	0.00E+00	0.00E+00
AG	110M	5.66E-02	2.06E-02	7.47E-03	3.58E-04	2.26E-06	9.03E-11	5.73E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CD	109	4.82E-11	2.79E-11	1.62E-11	3.15E-12	2.06E-13	8.81E-16	6.88E-23	9.83E-35	0.00E+00	0.00E+00	0.00E+00
CD	113M	1.15E-02	1.10E-02	1.05E-02	9.09E-03	7.17E-03	4.46E-03	1.07E-03	9.97E-05	2.71E-23	0.00E+00	0.00E+00
SN	119M	4.27E-05	1.52E-05	5.40E-06	2.44E-07	1.39E-09	4.54E-14	1.58E-27	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SN	121M	2.82E-04	2.78E-04	2.74E-04	2.63E-04	2.45E-04	2.13E-04	1.41E-04	7.04E-05	2.67E-10	0.00E+00	0.00E+00
SN	123	6.63E-06	9.34E-07	1.32E-07	3.69E-10	2.05E-14	6.33E-23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SN	126	6.64E-04	6.64E-04	6.64E-04	6.64E-04	6.64E-04	6.64E-04	6.64E-04	6.64E-04	6.59E-04	6.20E-04	6.61E-07
SB	125	5.69E+00	4.43E+00	3.44E+00	1.62E+00	4.62E-01	3.75E-02	2.01E-05	7.11E-11	0.00E+00	0.00E+00	0.00E+00
SB	126	1.64E-03	1.38E-03	1.38E-03	1.38E-03	1.38E-03	1.38E-03	1.38E-03	1.38E-03	1.37E-03	1.29E-03	1.37E-06
SB	126M	8.05E-03	6.78E-03	6.78E-03	6.78E-03	6.78E-03	6.78E-03	6.78E-03	6.77E-03	6.73E-03	6.33E-03	6.75E-06
TE	123M	2.72E-09	3.28E-10	3.96E-11	7.01E-14	1.79E-18	1.17E-27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TE	125M	1.57E-01	2.88E-01	2.26E-01	1.06E-01	3.03E-02	2.46E-03	1.32E-06	4.67E-12	0.00E+00	0.00E+00	0.00E+00
TE	127	6.87E-07	6.74E-08	6.61E-09	6.23E-12	5.66E-17	4.66E-27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TE	127M	2.79E-07	2.74E-08	2.69E-09	2.53E-12	2.30E-17	1.89E-27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Summe		3.12E+01	1.95E+01	1.11E+01	2.70E+00	5.49E-01	5.98E-02	1.27E-02	1.09E-02	1.06E-02	9.99E-03	2.06E-04

DWR mit UO₂-Brennstoff, WA-Zeitpunkt 7A / Brennelementfertigung
 Konzentrationen der Aktinidenelemente [G/TSM]

	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
HE	1.11E+00	1.11E+00	1.11E+00	1.11E+00	1.11E+00	1.12E+00	1.14E+00	1.16E+00	1.39E+00	1.98E+00	4.42E+00
TL	0.00E+00	3.98E-13	6.80E-13	1.11E-12	1.28E-12	1.22E-12	9.15E-13	5.67E-13	3.71E-14	3.61E-13	2.87E-12
PB	0.00E+00	6.88E-08	2.49E-07	1.18E-06	3.20E-06	7.37E-06	1.79E-05	2.99E-05	5.86E-05	4.06E-03	6.26E+00
BI	0.00E+00	2.23E-11	3.82E-11	6.31E-11	7.49E-11	8.14E-11	1.35E-10	3.70E-10	9.59E-08	1.62E-04	2.28E+00
PO	0.00E+00	9.65E-16	1.95E-15	1.05E-14	8.60E-14	6.29E-13	8.34E-12	5.34E-11	1.23E-08	5.09E-07	1.98E-06
AT	0.00E+00	1.02E-22	2.04E-22	5.11E-22	1.02E-21	2.04E-21	5.12E-21	1.05E-20	4.65E-19	7.23E-17	3.97E-15
RN	0.00E+00	3.54E-13	6.06E-13	9.95E-13	1.16E-12	1.18E-12	1.49E-12	3.37E-12	3.59E-10	1.49E-08	5.78E-08
FR	0.00E+00	9.68E-19	2.02E-18	5.61E-18	1.30E-17	3.19E-17	1.11E-16	2.74E-16	6.78E-15	6.81E-13	3.62E-11
RA	0.00E+00	2.09E-09	3.66E-09	6.71E-09	1.05E-08	2.23E-08	1.10E-07	4.49E-07	5.59E-05	2.31E-03	8.99E-03
AC	0.00E+00	1.54E-12	6.12E-12	3.71E-11	1.41E-10	5.10E-10	2.45E-09	6.84E-09	9.75E-08	9.38E-07	6.78E-06
TH	0.00E+00	1.23E-05	2.42E-05	5.99E-05	1.20E-04	2.43E-04	6.38E-04	1.36E-03	1.77E-02	1.77E-01	4.10E+00
PA	0.00E+00	1.50E-07	3.01E-07	7.51E-07	1.50E-06	3.01E-06	7.52E-06	1.50E-05	1.50E-04	1.43E-03	1.02E-02
U	1.89E+04	1.89E+04	1.89E+04	1.89E+04	1.89E+04	1.89E+04	1.89E+04	1.89E+04	1.90E+04	1.90E+04	1.90E+04
NP	0.00E+00	4.62E-04	1.79E-03	1.05E-02	3.89E-02	1.34E-01	5.70E-01	1.40E+00	9.34E+00	1.18E+01	8.53E+00
PU	1.23E+02	1.22E+02	1.22E+02	1.20E+02	1.18E+02	1.15E+02	1.11E+02	1.09E+02	1.03E+02	7.05E+01	1.27E+00
AM	0.00E+00	5.63E-01	1.10E+00	2.55E+00	4.54E+00	7.28E+00	1.03E+01	1.05E+01	2.50E+00	1.35E-06	0.00E+00
Summe	1.91E+04	1.91E+04	1.91E+04	1.91E+04	1.91E+04	1.91E+04	1.91E+04	1.91E+04	1.91E+04	1.91E+04	1.91E+04

DWR mit UO ₂ -Brennstoff, WA-Zeitpunkt 7A / Brennelementfertigung											
Radioaktivität der Aktinidennuklide [Ci/TSM]											
	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
TL208	0.00E+00	1.17E-04	2.00E-04	3.28E-04	3.77E-04	3.58E-04	2.69E-04	1.66E-04	2.89E-08	1.24E-09	1.43E-07
PB212	0.00E+00	3.26E-04	5.58E-04	9.12E-04	1.05E-03	9.98E-04	7.50E-04	4.64E-04	8.05E-08	3.44E-09	3.98E-07
BI212	0.00E+00	3.26E-04	5.58E-04	9.12E-04	1.05E-03	9.98E-04	7.50E-04	4.64E-04	8.05E-08	3.44E-09	3.98E-07
PO212	0.00E+00	2.09E-04	3.58E-04	5.85E-04	6.72E-04	6.40E-04	4.81E-04	2.97E-04	5.16E-08	2.21E-09	2.55E-07
PO216	0.00E+00	3.26E-04	5.58E-04	9.12E-04	1.05E-03	9.98E-04	7.50E-04	4.64E-04	8.05E-08	3.44E-09	3.98E-07
RN220	0.00E+00	3.26E-04	5.58E-04	9.12E-04	1.05E-03	9.98E-04	7.50E-04	4.64E-04	8.05E-08	3.44E-09	3.98E-07
RA224	0.00E+00	3.26E-04	5.58E-04	9.12E-04	1.05E-03	9.98E-04	7.50E-04	4.64E-04	8.05E-08	3.44E-09	3.98E-07
TH227	0.00E+00	1.10E-10	4.37E-10	2.65E-09	1.01E-08	3.64E-08	1.75E-07	4.88E-07	6.96E-06	6.68E-05	4.76E-04
TH228	0.00E+00	3.26E-04	5.57E-04	9.12E-04	1.05E-03	9.98E-04	7.50E-04	4.64E-04	8.05E-08	3.44E-09	3.98E-07
TH230	0.00E+00	1.78E-07	3.57E-07	8.99E-07	1.82E-06	3.75E-06	1.00E-05	2.19E-05	3.00E-04	2.94E-03	8.89E-03
TH231	0.00E+00	3.35E-04	3.35E-04	3.35E-04	3.35E-04	3.35E-04	3.35E-04	3.35E-04	3.39E-04	3.72E-04	4.83E-04
TH234	0.00E+00	6.29E-03	6.29E-03	6.29E-03	6.29E-03	6.29E-03	6.29E-03	6.29E-03	6.29E-03	6.29E-03	6.29E-03
PA231	0.00E+00	7.09E-09	1.42E-08	3.55E-08	7.09E-08	1.42E-07	3.54E-07	7.08E-07	7.06E-06	6.77E-05	4.83E-04
PA233	0.00E+00	3.26E-07	1.26E-06	7.44E-06	2.74E-05	9.45E-05	4.02E-04	9.90E-04	6.59E-03	8.29E-03	6.02E-03
PA234M	0.00E+00	6.29E-03	6.29E-03	6.29E-03	6.29E-03	6.29E-03	6.29E-03	6.29E-03	6.29E-03	6.29E-03	6.29E-03
PA234	0.00E+00	8.17E-06	8.17E-06	8.17E-06	8.17E-06	8.17E-06	8.17E-06	8.17E-06	8.17E-06	8.17E-06	8.17E-06
U 232	1.07E-03	1.08E-03	1.09E-03	1.09E-03	1.06E-03	9.74E-04	7.30E-04	4.51E-04	7.80E-08	0.00E+00	0.00E+00
U 233	1.74E-06	1.74E-06	1.74E-06	1.74E-06	1.74E-06	1.74E-06	1.78E-06	1.93E-06	1.94E-05	3.39E-04	6.39E-03
U 234	1.97E-02	1.98E-02	1.99E-02	2.03E-02	2.08E-02	2.19E-02	2.46E-02	2.78E-02	3.45E-02	3.38E-02	7.95E-03
U 235	3.35E-04	3.35E-04	3.35E-04	3.35E-04	3.35E-04	3.35E-04	3.35E-04	3.35E-04	3.39E-04	3.72E-04	4.83E-04
U 236	6.23E-03	6.23E-03	6.23E-03	6.23E-03	6.23E-03	6.23E-03	6.24E-03	6.25E-03	6.43E-03	7.52E-03	7.96E-03
U 237	5.16E-02	2.95E-02	2.81E-02	2.43E-02	1.91E-02	1.18E-02	2.79E-03	2.51E-04	3.88E-23	1.73E-51	0.00E+00
U 238	6.29E-03	6.29E-03	6.29E-03	6.29E-03	6.29E-03	6.29E-03	6.29E-03	6.29E-03	6.29E-03	6.29E-03	6.29E-03
NP237	0.00E+00	3.26E-07	1.26E-06	7.44E-06	2.74E-05	9.45E-05	4.02E-04	9.90E-04	6.59E-03	8.29E-03	6.02E-03
PU238	4.15E+01	4.12E+01	4.09E+01	3.99E+01	3.84E+01	3.55E+01	2.80E+01	1.89E+01	1.54E-02	0.00E+00	0.00E+00
PU239	4.33E+00	4.33E+00	4.33E+00	4.33E+00	4.33E+00	4.33E+00	4.32E+00	4.32E+00	4.21E+00	3.25E+00	1.35E-12
PU240	7.06E+00	7.06E+00	7.06E+00	7.06E+00	7.06E+00	7.05E+00	7.03E+00	6.99E+00	6.35E+00	2.45E+00	1.08E-08
PU241	1.24E+03	1.18E+03	1.12E+03	9.72E+02	7.64E+02	4.72E+02	1.11E+02	1.00E+01	1.55E-18	6.92E-47	0.00E+00
PU242	2.92E-02	2.92E-02	2.92E-02	2.92E-02	2.92E-02	2.92E-02	2.92E-02	2.92E-02	2.91E-02	2.87E-02	4.87E-03
AM241	0.00E+00	1.93E+00	3.77E+00	8.77E+00	1.56E+01	2.50E+01	3.55E+01	3.59E+01	8.57E+00	4.64E-06	0.00E+00
Summe	1.29E+03	1.23E+03	1.18E+03	1.03E+03	8.29E+02	5.44E+02	1.86E+02	7.62E+01	1.93E+01	5.83E+00	2.03E-01

DWR mit UO₂-Brennstoff, WA-Zeitpunkt 7A / Brennelementfertigung
 Wärmeleistung der Aktinidennuklide [W/TSM]

	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
TL208	0.00E+00	2.76E-06	4.71E-06	7.71E-06	8.86E-06	8.43E-06	6.34E-06	3.92E-06	6.80E-10	2.91E-11	3.36E-09
PB212	0.00E+00	6.21E-07	1.06E-06	1.74E-06	2.00E-06	1.90E-06	1.43E-06	8.83E-07	1.53E-10	6.56E-12	7.58E-10
BI212	0.00E+00	5.55E-06	9.49E-06	1.55E-05	1.78E-05	1.70E-05	1.28E-05	7.88E-06	1.37E-09	5.86E-11	6.77E-09
PO212	0.00E+00	1.11E-05	1.90E-05	3.10E-05	3.57E-05	3.40E-05	2.55E-05	1.58E-05	2.74E-09	1.17E-10	1.35E-08
PO216	0.00E+00	1.29E-05	2.21E-05	3.61E-05	4.15E-05	3.95E-05	2.97E-05	1.83E-05	3.19E-09	1.36E-10	1.58E-08
RN220	0.00E+00	1.24E-05	2.12E-05	3.46E-05	3.98E-05	3.79E-05	2.85E-05	1.76E-05	3.05E-09	1.31E-10	1.51E-08
RA224	0.00E+00	1.12E-05	1.91E-05	3.13E-05	3.60E-05	3.42E-05	2.57E-05	1.59E-05	2.76E-09	1.18E-10	1.37E-08
TH227	0.00E+00	4.01E-12	1.59E-11	9.64E-11	3.66E-10	1.33E-09	6.36E-09	1.78E-08	2.54E-07	2.43E-06	1.73E-05
TH228	0.00E+00	1.07E-05	1.82E-05	2.98E-05	3.43E-05	3.26E-05	2.45E-05	1.52E-05	2.63E-09	1.13E-10	1.30E-08
TH230	0.00E+00	5.03E-09	1.01E-08	2.54E-08	5.16E-08	1.06E-07	2.84E-07	6.18E-07	8.50E-06	8.30E-05	2.51E-04
TH231	0.00E+00	1.88E-07	1.88E-07	1.88E-07	1.88E-07	1.88E-07	1.88E-07	1.88E-07	1.90E-07	2.09E-07	2.71E-07
TH234	0.00E+00	2.55E-06	2.55E-06	2.55E-06	2.55E-06	2.55E-06	2.55E-06	2.55E-06	2.55E-06	2.55E-06	2.55E-06
PA231	0.00E+00	2.16E-10	4.33E-10	1.08E-09	2.17E-09	4.33E-09	1.08E-08	2.16E-08	2.15E-07	2.07E-06	1.47E-05
PA233	0.00E+00	7.39E-10	2.86E-09	1.69E-08	6.23E-08	2.14E-07	9.13E-07	2.25E-06	1.49E-05	1.88E-05	1.37E-05
PA234M	0.00E+00	3.11E-05	3.11E-05	3.11E-05	3.11E-05	3.11E-05	3.11E-05	3.11E-05	3.11E-05	3.11E-05	3.11E-05
PA234	0.00E+00	1.17E-07	1.17E-07	1.17E-07	1.17E-07	1.17E-07	1.17E-07	1.17E-07	1.17E-07	1.17E-07	1.17E-07
U 232	3.42E-05	3.46E-05	3.49E-05	3.50E-05	3.41E-05	3.12E-05	2.34E-05	1.45E-05	2.50E-09	0.00E+00	0.00E+00
U 233	5.07E-08	5.07E-08	5.07E-08	5.07E-08	5.07E-08	5.08E-08	5.17E-08	5.61E-08	5.63E-07	9.87E-06	1.86E-04
U 234	5.67E-04	5.70E-04	5.74E-04	5.84E-04	6.00E-04	6.30E-04	7.07E-04	8.01E-04	9.94E-04	9.73E-04	2.29E-04
U 235	9.29E-06	9.29E-06	9.29E-06	9.29E-06	9.29E-06	9.30E-06	9.30E-06	9.30E-06	9.41E-06	1.03E-05	1.34E-05
U 236	1.69E-04	1.69E-04	1.69E-04	1.69E-04	1.69E-04	1.69E-04	1.69E-04	1.69E-04	1.74E-04	2.04E-04	2.16E-04
U 237	9.76E-05	5.58E-05	5.32E-05	4.60E-05	3.62E-05	2.24E-05	5.28E-06	4.76E-07	7.35E-26	3.27E-54	0.00E+00
U 238	1.59E-04	1.59E-04	1.59E-04	1.59E-04	1.59E-04	1.59E-04	1.59E-04	1.59E-04	1.59E-04	1.59E-04	1.59E-04
NP237	0.00E+00	9.57E-09	3.71E-08	2.19E-07	8.06E-07	2.78E-06	1.18E-05	2.91E-05	1.94E-04	2.44E-04	1.77E-04
PU238	1.38E+00	1.37E+00	1.36E+00	1.32E+00	1.27E+00	1.18E+00	9.28E-01	6.25E-01	5.12E-04	0.00E+00	0.00E+00
PU239	1.35E-01	1.35E-01	1.35E-01	1.35E-01	1.35E-01	1.35E-01	1.34E-01	1.34E-01	1.31E-01	1.01E-01	4.19E-14
PU240	2.20E-01	2.20E-01	2.20E-01	2.20E-01	2.20E-01	2.20E-01	2.19E-01	2.18E-01	1.98E-01	7.62E-02	3.35E-10
PU241	3.81E-02	3.63E-02	3.46E-02	2.99E-02	2.35E-02	1.46E-02	3.43E-03	3.10E-04	4.78E-23	2.13E-51	0.00E+00
PU242	8.62E-04	8.62E-04	8.62E-04	8.62E-04	8.62E-04	8.62E-04	8.62E-04	8.62E-04	8.60E-04	8.46E-04	1.44E-04
AM241	0.00E+00	6.46E-02	1.26E-01	2.93E-01	5.21E-01	8.35E-01	1.19E+00	1.20E+00	2.86E-01	1.55E-07	0.00E+00
Summe	1.77E+00	1.82E+00	1.87E+00	2.00E+00	2.17E+00	2.38E+00	2.47E+00	2.18E+00	6.18E-01	1.80E-01	4.57E-03

DWR mit UO₂-Brennstoff, WA-Zeitpunkt 7A / Summe der Abfallströme
Radioaktivität der Aktinidennuklide [Ci/TSM]

	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
RN220	4.30E-02	3.04E-02	2.16E-02	8.27E-03	2.58E-03	1.40E-03	1.03E-03	6.37E-04	4.44E-07	3.37E-07	8.78E-07
RA224	4.30E-02	3.04E-02	2.16E-02	8.27E-03	2.58E-03	1.40E-03	1.03E-03	6.37E-04	4.44E-07	3.37E-07	8.78E-07
TH228	4.29E-02	3.03E-02	2.15E-02	8.24E-03	2.57E-03	1.40E-03	1.03E-03	6.37E-04	4.44E-07	3.37E-07	8.78E-07
TH231	1.68E-02	4.41E-04	4.41E-04	4.41E-04	4.41E-04	4.41E-04	4.41E-04	4.41E-04	4.49E-04	5.36E-04	9.90E-04
TH234	3.14E-01	8.28E-03	8.27E-03	8.27E-03	8.27E-03	8.27E-03	8.27E-03	8.27E-03	8.27E-03	8.27E-03	8.27E-03
PA233	4.01E-01	4.01E-01	4.02E-01	4.03E-01	4.06E-01	4.11E-01	4.25E-01	4.48E-01	6.56E-01	7.18E-01	5.22E-01
PA234M	3.14E-01	8.28E-03	8.27E-03	8.27E-03	8.27E-03	8.27E-03	8.27E-03	8.27E-03	8.27E-03	8.27E-03	8.27E-03
U 232	1.40E-03	1.43E-03	1.46E-03	1.48E-03	1.45E-03	1.34E-03	1.00E-03	6.20E-04	4.41E-07	3.32E-07	1.95E-07
U 234	2.59E-02	2.61E-02	2.64E-02	2.70E-02	2.81E-02	3.01E-02	3.53E-02	4.17E-02	5.63E-02	5.51E-02	1.11E-02
U 235	4.41E-04	4.41E-04	4.41E-04	4.41E-04	4.41E-04	4.41E-04	4.41E-04	4.41E-04	4.49E-04	5.36E-04	9.90E-04
U 236	8.19E-03	8.19E-03	8.19E-03	8.19E-03	8.20E-03	8.20E-03	8.22E-03	8.25E-03	8.78E-03	1.20E-02	1.37E-02
U 237	6.78E-02	5.65E-02	5.39E-02	4.66E-02	3.66E-02	2.27E-02	5.35E-03	4.88E-04	6.21E-06	2.98E-06	0.00E+00
U 238	8.27E-03	8.27E-03	8.27E-03	8.27E-03	8.27E-03	8.27E-03	8.27E-03	8.27E-03	8.27E-03	8.27E-03	8.27E-03
NP237	4.01E-01	4.01E-01	4.02E-01	4.03E-01	4.06E-01	4.11E-01	4.25E-01	4.48E-01	6.56E-01	7.18E-01	5.22E-01
NP238	1.94E-02	1.93E-02	1.92E-02	1.89E-02	1.85E-02	1.77E-02	1.54E-02	1.23E-02	2.03E-04	3.08E-22	0.00E+00
NP239	2.54E+01	2.54E+01	2.54E+01	2.54E+01	2.54E+01	2.53E+01	2.53E+01	2.51E+01	2.31E+01	9.92E+00	9.88E-07
PU238	7.96E+01	7.90E+01	7.84E+01	7.66E+01	7.38E+01	6.84E+01	5.46E+01	3.75E+01	6.43E-02	1.21E-19	0.00E+00
PU239	8.30E+00	8.30E+00	8.30E+00	8.31E+00	8.31E+00	8.32E+00	8.34E+00	8.37E+00	8.78E+00	1.03E+01	9.88E-07
PU240	1.35E+01	1.38E+01	1.41E+01	1.48E+01	1.59E+01	1.76E+01	1.99E+01	2.07E+01	1.90E+01	7.32E+00	2.95E-08
PU241	2.37E+03	2.26E+03	2.15E+03	1.86E+03	1.46E+03	9.05E+02	2.14E+02	1.95E+01	2.49E-01	1.19E-01	0.00E+00
PU242	5.59E-02	5.59E-02	5.59E-02	5.59E-02	5.59E-02	5.60E-02	5.60E-02	5.61E-02	5.70E-02	6.03E-02	1.05E-02
AM241	1.50E+03	1.50E+03	1.50E+03	1.51E+03	1.51E+03	1.50E+03	1.45E+03	1.35E+03	3.19E+02	1.19E-01	0.00E+00
AM242M	3.87E+00	3.86E+00	3.84E+00	3.79E+00	3.70E+00	3.54E+00	3.09E+00	2.46E+00	4.06E-02	6.16E-20	0.00E+00
AM242	3.86E+00	3.84E+00	3.82E+00	3.77E+00	3.68E+00	3.52E+00	3.07E+00	2.44E+00	4.04E-02	6.13E-20	0.00E+00
AM243	2.54E+01	2.54E+01	2.54E+01	2.54E+01	2.54E+01	2.53E+01	2.53E+01	2.51E+01	2.31E+01	9.92E+00	9.88E-07
CM242	4.22E+00	3.40E+00	3.21E+00	3.12E+00	3.05E+00	2.91E+00	2.54E+00	2.02E+00	3.34E-02	5.08E-20	0.00E+00
CM243	2.09E+01	2.04E+01	1.99E+01	1.85E+01	1.64E+01	1.29E+01	6.20E+00	1.84E+00	5.76E-10	0.00E+00	0.00E+00
CM244	2.73E+03	2.63E+03	2.53E+03	2.25E+03	1.86E+03	1.27E+03	4.03E+02	5.95E+01	6.57E-14	0.00E+00	0.00E+00
CM245	2.69E-01	2.69E-01	2.69E-01	2.69E-01	2.69E-01	2.69E-01	2.68E-01	2.67E-01	2.48E-01	1.19E-01	0.00E+00
CM246	5.55E-01	5.55E-01	5.55E-01	5.55E-01	5.54E-01	5.54E-01	5.51E-01	5.47E-01	4.80E-01	1.28E-01	4.25E-30
Summe	6.79E+03	6.57E+03	6.37E+03	5.80E+03	5.01E+03	3.85E+03	2.22E+03	1.55E+03	3.95E+02	3.97E+01	6.22E+00

DWR mit UO ₂ -Brennstoff, WA-Zeitpunkt 7A / Summe der Abfallströme Wärmeleistung der Aktinidennuklide [W/TSM]												
	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]											
	0	1	2	5	10	20	50	100	1000	10000	100000	
BI212	7.32E-04	5.18E-04	3.68E-04	1.41E-04	4.39E-05	2.38E-05	1.75E-05	1.08E-05	7.56E-09	5.74E-09	1.49E-08	
PO212	1.46E-03	1.04E-03	7.36E-04	2.81E-04	8.78E-05	4.76E-05	3.51E-05	2.17E-05	1.51E-08	1.15E-08	2.99E-08	
PO216	1.70E-03	1.20E-03	8.56E-04	3.27E-04	1.02E-04	5.54E-05	4.08E-05	2.52E-05	1.76E-08	1.34E-08	3.47E-08	
RN220	1.63E-03	1.16E-03	8.21E-04	3.14E-04	9.80E-05	5.32E-05	3.91E-05	2.42E-05	1.69E-08	1.28E-08	3.33E-08	
RA224	1.48E-03	1.04E-03	7.42E-04	2.84E-04	8.86E-05	4.81E-05	3.54E-05	2.19E-05	1.52E-08	1.16E-08	3.01E-08	
TH228	1.40E-03	9.91E-04	7.04E-04	2.69E-04	8.42E-05	4.58E-05	3.37E-05	2.08E-05	1.45E-08	1.10E-08	2.87E-08	
PA233	9.10E-04	9.11E-04	9.12E-04	9.16E-04	9.21E-04	9.32E-04	9.65E-04	1.02E-03	1.49E-03	1.63E-03	1.18E-03	
PA234M	1.55E-03	4.09E-05	4.09E-05	4.09E-05	4.09E-05	4.09E-05	4.09E-05	4.09E-05	4.09E-05	4.09E-05	4.09E-05	
U 232	4.50E-05	4.60E-05	4.67E-05	4.75E-05	4.67E-05	4.29E-05	3.22E-05	1.99E-05	1.41E-08	1.07E-08	6.26E-09	
U 234	7.46E-04	7.52E-04	7.59E-04	7.77E-04	8.08E-04	8.66E-04	1.02E-03	1.20E-03	1.62E-03	1.59E-03	3.20E-04	
U 235	1.22E-05	1.22E-05	1.22E-05	1.22E-05	1.22E-05	1.22E-05	1.22E-05	1.22E-05	1.25E-05	1.49E-05	2.75E-05	
U 236	2.22E-04	2.22E-04	2.22E-04	2.22E-04	2.22E-04	2.22E-04	2.23E-04	2.23E-04	2.38E-04	3.26E-04	3.70E-04	
U 238	2.09E-04	2.09E-04	2.09E-04	2.09E-04	2.09E-04	2.09E-04	2.09E-04	2.09E-04	2.09E-04	2.09E-04	2.09E-04	
NP237	1.18E-02	1.18E-02	1.18E-02	1.19E-02	1.19E-02	1.21E-02	1.25E-02	1.32E-02	1.93E-02	2.11E-02	1.53E-02	
NP238	9.28E-05	9.24E-05	9.20E-05	9.07E-05	8.87E-05	8.47E-05	7.39E-05	5.88E-05	9.72E-07	1.48E-24	0.00E+00	
NP239	6.13E-02	6.13E-02	6.13E-02	6.13E-02	6.13E-02	6.12E-02	6.11E-02	6.08E-02	5.59E-02	2.40E-02	2.39E-09	
PU238	2.64E+00	2.62E+00	2.60E+00	2.54E+00	2.45E+00	2.27E+00	1.81E+00	1.24E+00	2.13E-03	4.01E-21	0.00E+00	
PU239	2.58E-01	2.58E-01	2.58E-01	2.58E-01	2.58E-01	2.59E-01	2.59E-01	2.60E-01	2.73E-01	3.19E-01	3.07E-08	
PU240	4.22E-01	4.31E-01	4.39E-01	4.63E-01	4.96E-01	5.47E-01	6.20E-01	6.46E-01	5.92E-01	2.28E-01	9.18E-10	
PU241	7.30E-02	6.96E-02	6.63E-02	5.74E-02	4.51E-02	2.79E-02	6.59E-03	6.02E-04	7.66E-06	3.68E-06	0.00E+00	
PU242	1.65E-03	1.65E-03	1.65E-03	1.65E-03	1.65E-03	1.65E-03	1.65E-03	1.66E-03	1.68E-03	1.78E-03	3.11E-04	
AM241	5.02E+01	5.02E+01	5.02E+01	5.03E+01	5.04E+01	5.02E+01	4.86E+01	4.50E+01	1.06E+01	3.99E-03	0.00E+00	
AM242M	1.53E-03	1.52E-03	1.52E-03	1.50E-03	1.46E-03	1.40E-03	1.22E-03	9.70E-04	1.60E-05	2.43E-23	0.00E+00	
AM242	4.48E-03	4.46E-03	4.44E-03	4.38E-03	4.28E-03	4.09E-03	3.57E-03	2.84E-03	4.69E-05	7.12E-23	0.00E+00	
AM243	8.18E-01	8.18E-01	8.18E-01	8.18E-01	8.17E-01	8.17E-01	8.14E-01	8.11E-01	7.45E-01	3.20E-01	3.18E-08	
CM242	1.56E-01	1.25E-01	1.18E-01	1.15E-01	1.12E-01	1.07E-01	9.35E-02	7.45E-02	1.23E-03	1.87E-21	0.00E+00	
CM243	7.67E-01	7.49E-01	7.31E-01	6.79E-01	6.02E-01	4.72E-01	2.27E-01	6.74E-02	2.11E-11	0.00E+00	0.00E+00	
CM244	9.55E+01	9.19E+01	8.85E+01	7.89E+01	6.51E+01	4.44E+01	1.41E+01	2.08E+00	2.30E-15	0.00E+00	0.00E+00	
CM245	8.97E-03	8.97E-03	8.97E-03	8.97E-03	8.97E-03	8.96E-03	8.94E-03	8.90E-03	8.27E-03	3.97E-03	0.00E+00	
CM246	1.82E-02	1.82E-02	1.82E-02	1.82E-02	1.81E-02	1.81E-02	1.80E-02	1.79E-02	1.57E-02	4.20E-03	1.39E-31	
Summe	1.51E+02	1.47E+02	1.44E+02	1.34E+02	1.20E+02	9.92E+01	6.66E+01	5.03E+01	1.24E+01	9.34E-01	1.49E-01	

DWR mit UO₂-Brennstoff, WA-Zeitpunkt 7A / Summe der Abfallströme
 Konzentrationen der Spaltproduktelemente [G/TSM]

	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]											
	0	1	2	5	10	20	50	100	1000	10000	1000000	
GE	4.89E-01	4.89E-01	4.89E-01	4.89E-01	4.89E-01	4.89E-01	4.89E-01	4.89E-01	4.89E-01	4.89E-01	4.89E-01	
SE	6.64E+01	6.64E+01	6.64E+01	6.64E+01	6.64E+01	6.64E+01	6.64E+01	6.64E+01	6.64E+01	6.63E+01	6.57E+01	6.00E+01
BR	2.62E+01	2.62E+01	2.62E+01	2.62E+01	2.62E+01	2.62E+01	2.62E+01	2.62E+01	2.62E+01	2.63E+01	2.68E+01	3.26E+01
RB	4.17E+02	4.17E+02	4.17E+02	4.17E+02	4.17E+02	4.17E+02	4.17E+02	4.17E+02	4.17E+02	4.17E+02	4.17E+02	4.17E+02
SR	9.72E+02	9.59E+02	9.46E+02	9.10E+02	8.54E+02	7.62E+02	5.86E+02	4.68E+02	4.17E+02	4.17E+02	4.17E+02	4.17E+02
Y	5.53E+02	5.53E+02	5.53E+02	5.53E+02	5.53E+02	5.53E+02	5.53E+02	5.53E+02	5.53E+02	5.53E+02	5.53E+02	5.53E+02
ZR	4.36E+03	4.37E+03	4.38E+03	4.42E+03	4.48E+03	4.57E+03	4.75E+03	4.86E+03	4.91E+03	4.91E+03	4.91E+03	4.60E+03
MO	4.08E+03	4.08E+03	4.08E+03	4.08E+03	4.08E+03	4.08E+03	4.08E+03	4.08E+03	4.08E+03	4.08E+03	4.08E+03	4.08E+03
TC	9.15E+02	9.15E+02	9.15E+02	9.15E+02	9.15E+02	9.15E+02	9.15E+02	9.15E+02	9.15E+02	9.12E+02	8.86E+02	3.54E+01
RU	2.69E+03	2.69E+03	2.69E+03	2.69E+03	2.69E+03	2.69E+03	2.69E+03	2.69E+03	2.69E+03	2.69E+03	2.72E+03	3.57E+03
RH	5.32E+02	5.32E+02	5.32E+02	5.32E+02	5.32E+02	5.32E+02	5.32E+02	5.32E+02	5.32E+02	5.32E+02	5.32E+02	5.32E+02
PD	1.68E+03	1.68E+03	1.68E+03	1.68E+03	1.68E+03	1.68E+03	1.68E+03	1.68E+03	1.68E+03	1.68E+03	1.68E+03	1.65E+03
AG	7.56E+01	7.56E+01	7.56E+01	7.56E+01	7.56E+01	7.56E+01	7.56E+01	7.56E+01	7.56E+01	7.56E+01	7.59E+01	1.00E+02
CD	9.48E+01	9.47E+01	9.47E+01	9.47E+01	9.47E+01	9.47E+01	9.47E+01	9.46E+01	9.46E+01	9.46E+01	9.46E+01	9.46E+01
IN	1.56E+00	1.56E+00	1.57E+00	1.59E+00	1.62E+00	1.65E+00	1.70E+00	1.71E+00	1.71E+00	1.71E+00	1.71E+00	1.71E+00
SN	5.75E+01	5.75E+01	5.75E+01	5.75E+01	5.75E+01	5.75E+01	5.75E+01	5.75E+01	5.75E+01	5.73E+01	5.59E+01	3.40E+01
SB	1.21E+01	1.17E+01	1.14E+01	1.08E+01	1.04E+01	1.03E+01	1.03E+01	1.03E+01	1.03E+01	1.03E+01	1.03E+01	1.03E+01
TE	5.55E+02	5.55E+02	5.55E+02	5.56E+02	5.56E+02	5.56E+02	5.56E+02	5.56E+02	5.56E+02	5.57E+02	5.58E+02	5.80E+02
CS	2.93E+03	2.90E+03	2.87E+03	2.78E+03	2.66E+03	2.45E+03	2.05E+03	1.78E+03	1.65E+03	1.65E+03	1.65E+03	1.57E+03
BA	2.04E+03	2.08E+03	2.11E+03	2.19E+03	2.32E+03	2.52E+03	2.92E+03	3.19E+03	3.32E+03	3.32E+03	3.32E+03	3.41E+03
LA	1.47E+03	1.47E+03	1.47E+03	1.47E+03	1.47E+03	1.47E+03	1.47E+03	1.47E+03	1.47E+03	1.47E+03	1.47E+03	1.47E+03
CE	2.90E+03	2.90E+03	2.90E+03	2.90E+03	2.90E+03	2.90E+03	2.90E+03	2.90E+03	2.90E+03	2.90E+03	2.90E+03	2.90E+03
PR	1.35E+03	1.35E+03	1.35E+03	1.35E+03	1.35E+03	1.35E+03	1.35E+03	1.35E+03	1.35E+03	1.35E+03	1.35E+03	1.35E+03
ND	4.92E+03	4.92E+03	4.92E+03	4.92E+03	4.92E+03	4.92E+03	4.92E+03	4.92E+03	4.92E+03	4.92E+03	4.92E+03	4.92E+03
PM	2.91E+01	2.24E+01	1.72E+01	7.77E+00	2.08E+00	1.48E-01	5.35E-05	9.83E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SM	9.88E+02	9.95E+02	1.00E+03	1.01E+03	1.01E+03	1.02E+03	1.01E+03	1.01E+03	1.01E+03	1.00E+03	1.00E+03	1.00E+03
EU	1.56E+02	1.53E+02	1.50E+02	1.42E+02	1.33E+02	1.24E+02	1.19E+02	1.22E+02	1.28E+02	1.28E+02	1.28E+02	1.28E+02
GD	1.82E+02	1.86E+02	1.89E+02	1.98E+02	2.07E+02	2.17E+02	2.24E+02	2.24E+02	2.24E+02	2.24E+02	2.24E+02	2.24E+02
TB	2.47E+00	2.47E+00	2.47E+00	2.47E+00	2.47E+00	2.47E+00	2.47E+00	2.47E+00	2.47E+00	2.47E+00	2.47E+00	2.47E+00
DY	1.36E+00	1.36E+00	1.36E+00	1.36E+00	1.36E+00	1.36E+00	1.36E+00	1.36E+00	1.36E+00	1.36E+00	1.36E+00	1.36E+00
Summe	3.41E+04	3.41E+04	3.41E+04	3.41E+04	3.41E+04	3.41E+04	3.41E+04	3.41E+04	3.41E+04	3.41E+04	3.41E+04	3.41E+04

DWR mit UO ₂ -Brennstoff, WA-Zeitpunkt 7A / Summe der Abfallströme Radioaktivität der Spaltprodukt nuklide [Ci/TSM]												
ZEITEN NACH DER WIEDERAUFARBEITUNG [A]												
		0	1	2	5	10	20	50	100	1000	10000	1000000
H 3		4.10E+02	3.87E+02	3.66E+02	3.09E+02	2.34E+02	1.33E+02	2.48E+01	1.50E+00	0.00E+00	0.00E+00	0.00E+00
SE 79		4.46E-01	4.46E-01	4.46E-01	4.46E-01	4.46E-01	4.46E-01	4.46E-01	4.45E-01	4.41E-01	4.01E-01	1.04E-05
SR 90		7.57E+04	7.39E+04	7.22E+04	6.72E+04	5.97E+04	4.70E+04	2.30E+04	7.01E+03	3.50E-06	0.00E+00	0.00E+00
Y 90		7.57E+04	7.40E+04	7.22E+04	6.72E+04	5.97E+04	4.71E+04	2.30E+04	7.01E+03	3.51E-06	0.00E+00	0.00E+00
ZR 93		2.15E+00	2.15E+00	2.15E+00	2.15E+00	2.15E+00	2.15E+00	2.15E+00	2.15E+00	2.15E+00	2.14E+00	1.37E+00
NB 93M		7.23E-01	7.88E-01	8.51E-01	1.02E+00	1.25E+00	1.57E+00	1.94E+00	2.03E+00	2.04E+00	2.03E+00	1.30E+00
TC 99		1.55E+01	1.55E+01	1.55E+01	1.55E+01	1.55E+01	1.55E+01	1.55E+01	1.55E+01	1.55E+01	1.50E+01	6.00E-01
RU106		5.05E+03	2.54E+03	1.28E+03	1.62E+02	5.22E+00	5.50E-03	6.08E-12	7.16E-27	0.00E+00	0.00E+00	0.00E+00
RH106		5.05E+03	2.54E+03	1.28E+03	1.62E+02	5.22E+00	5.50E-03	6.08E-12	7.16E-27	0.00E+00	0.00E+00	0.00E+00
PD107		1.25E-01	1.25E-01	1.25E-01	1.25E-01	1.25E-01	1.25E-01	1.25E-01	1.25E-01	1.25E-01	1.25E-01	1.13E-01
AG110M		3.57E+00	1.30E+00	4.71E-01	2.25E-02	1.43E-04	5.69E-09	3.61E-22	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CD113M		3.42E+01	3.26E+01	3.11E+01	2.70E+01	2.13E+01	1.32E+01	3.18E+00	2.96E-01	8.05E-20	0.00E+00	0.00E+00
SN121M		1.76E-01	1.73E-01	1.71E-01	1.64E-01	1.53E-01	1.33E-01	8.78E-02	4.39E-02	1.67E-07	0.00E+00	0.00E+00
SN126		6.66E-01	6.66E-01	6.66E-01	6.66E-01	6.66E-01	6.65E-01	6.65E-01	6.65E-01	6.61E-01	6.21E-01	6.77E-04
SB125		1.92E+03	1.49E+03	1.16E+03	5.46E+02	1.56E+02	1.26E+01	6.77E-03	2.40E-08	0.00E+00	0.00E+00	0.00E+00
SB126		9.32E-02	9.32E-02	9.32E-02	9.32E-02	9.32E-02	9.32E-02	9.31E-02	9.31E-02	9.25E-02	8.69E-02	9.48E-05
SB126M		6.66E-01	6.66E-01	6.66E-01	6.66E-01	6.66E-01	6.65E-01	6.65E-01	6.65E-01	6.61E-01	6.21E-01	6.77E-04
TE125M		4.67E+02	3.64E+02	2.83E+02	1.33E+02	3.80E+01	3.08E+00	1.65E-03	5.85E-09	0.00E+00	0.00E+00	0.00E+00
CS134		2.10E+04	1.50E+04	1.07E+04	3.92E+03	7.30E+02	2.53E+01	1.06E-03	5.33E-11	0.00E+00	0.00E+00	0.00E+00
CS135		3.81E-01	3.81E-01	3.81E-01	3.81E-01	3.81E-01	3.81E-01	3.81E-01	3.81E-01	3.81E-01	3.80E-01	2.82E-01
CS137		1.10E+05	1.07E+05	1.05E+05	9.78E+04	8.71E+04	6.91E+04	3.46E+04	1.09E+04	1.02E-05	0.00E+00	0.00E+00
BA137M		1.04E+05	1.01E+05	9.91E+04	9.25E+04	8.24E+04	6.54E+04	3.27E+04	1.03E+04	9.64E-06	0.00E+00	0.00E+00
CE144		2.59E+03	1.06E+03	4.36E+02	3.02E+01	3.52E-01	4.78E-05	1.20E-16	5.53E-36	0.00E+00	0.00E+00	0.00E+00
PR144		2.59E+03	1.06E+03	4.36E+02	3.02E+01	3.52E-01	4.78E-05	1.20E-16	5.53E-36	0.00E+00	0.00E+00	0.00E+00
PR144M		3.11E+01	1.28E+01	5.24E+00	3.62E-01	4.22E-03	5.74E-07	1.44E-18	6.64E-38	0.00E+00	0.00E+00	0.00E+00
PM147		2.70E+04	2.07E+04	1.59E+04	7.21E+03	1.92E+03	1.37E+02	4.96E-02	9.11E-08	0.00E+00	0.00E+00	0.00E+00
SM151		3.57E+02	3.54E+02	3.52E+02	3.44E+02	3.31E+02	3.06E+02	2.43E+02	1.65E+02	1.62E-01	0.00E+00	0.00E+00
EU152		3.03E+00	2.88E+00	2.74E+00	2.35E+00	1.82E+00	1.09E+00	2.37E-01	1.86E-02	2.26E-22	0.00E+00	0.00E+00
EU154		9.18E+03	8.46E+03	7.81E+03	6.13E+03	4.10E+03	1.83E+03	1.63E+02	2.90E+00	0.00E+00	0.00E+00	0.00E+00
EU155		3.66E+03	3.19E+03	2.77E+03	1.82E+03	9.06E+02	2.24E+02	3.39E+00	3.13E-03	0.00E+00	0.00E+00	0.00E+00
Summe		4.44E+05	4.14E+05	3.91E+05	3.46E+05	2.97E+05	2.31E+05	1.14E+05	3.54E+04	2.22E+01	2.14E+01	3.66E+00

DWR mit UO₂-Brennstoff, WA-Zeitpunkt 7A / Summe der Abfallströme
Wärmeleistung der Spaltprodukt nuklide [W/TSM]

		ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
		0	1	2	5	10	20	50	100	1000	10000	1000000
H	3	1.38E-02	1.31E-02	1.24E-02	1.05E-02	7.89E-03	4.50E-03	8.36E-04	5.06E-05	0.00E+00	0.00E+00	0.00E+00
SE	79	1.11E-04	1.11E-04	1.11E-04	1.11E-04	1.11E-04	1.11E-04	1.11E-04	1.11E-04	1.10E-04	9.97E-05	2.58E-09
SR	90	8.79E+01	8.58E+01	8.38E+01	7.80E+01	6.93E+01	5.46E+01	2.67E+01	8.14E+00	4.07E-09	0.00E+00	0.00E+00
Y	90	4.20E+02	4.10E+02	4.00E+02	3.73E+02	3.31E+02	2.61E+02	1.28E+02	3.89E+01	1.94E-08	0.00E+00	0.00E+00
ZR	93	2.50E-04	2.50E-04	2.50E-04	2.50E-04	2.50E-04	2.50E-04	2.50E-04	2.50E-04	2.50E-04	2.49E-04	1.59E-04
NB	93M	1.28E-04	1.40E-04	1.51E-04	1.81E-04	2.21E-04	2.78E-04	3.44E-04	3.61E-04	3.62E-04	3.60E-04	2.30E-04
TC	99	7.78E-03	7.78E-03	7.78E-03	7.78E-03	7.78E-03	7.78E-03	7.78E-03	7.78E-03	7.76E-03	7.53E-03	3.01E-04
RU	106	2.99E-01	1.51E-01	7.57E-02	9.63E-03	3.09E-04	3.26E-07	3.60E-16	4.25E-31	0.00E+00	0.00E+00	0.00E+00
RH	106	4.84E+01	2.44E+01	1.22E+01	1.56E+00	5.01E-02	5.28E-05	5.83E-14	6.87E-29	0.00E+00	0.00E+00	0.00E+00
AG	110M	5.96E-02	2.16E-02	7.86E-03	3.77E-04	2.38E-06	9.50E-11	6.03E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CD	113M	5.76E-02	5.50E-02	5.24E-02	4.55E-02	3.58E-02	2.23E-02	5.36E-03	4.99E-04	1.35E-22	0.00E+00	0.00E+00
SN	121M	3.52E-04	3.47E-04	3.42E-04	3.28E-04	3.06E-04	2.67E-04	1.76E-04	8.80E-05	3.34E-10	0.00E+00	0.00E+00
SN	126	8.30E-04	8.30E-04	8.30E-04	8.30E-04	8.30E-04	8.30E-04	8.30E-04	8.30E-04	8.24E-04	7.75E-04	8.44E-07
SB	125	5.99E+00	4.66E+00	3.62E+00	1.71E+00	4.86E-01	3.95E-02	2.12E-05	7.49E-11	0.00E+00	0.00E+00	0.00E+00
SB	126	1.72E-03	1.72E-03	1.72E-03	1.72E-03	1.72E-03	1.72E-03	1.72E-03	1.72E-03	1.71E-03	1.61E-03	1.75E-06
SB	126M	8.47E-03	8.47E-03	8.47E-03	8.47E-03	8.47E-03	8.47E-03	8.47E-03	8.47E-03	8.42E-03	7.91E-03	8.62E-06
TE	125M	3.93E-01	3.06E-01	2.38E-01	1.12E-01	3.19E-02	2.59E-03	1.39E-06	4.91E-12	0.00E+00	0.00E+00	0.00E+00
CS	134	2.14E+02	1.53E+02	1.09E+02	3.99E+01	7.43E+00	2.58E-01	1.08E-05	5.43E-13	0.00E+00	0.00E+00	0.00E+00
CS	135	1.27E-04	1.27E-04	1.27E-04	1.27E-04	1.27E-04	1.27E-04	1.27E-04	1.27E-04	1.27E-04	1.27E-04	9.40E-05
CS	137	1.21E+02	1.19E+02	1.16E+02	1.08E+02	9.64E+01	7.65E+01	3.82E+01	1.20E+01	1.13E-08	0.00E+00	0.00E+00
BA	137M	4.08E+02	3.98E+02	3.89E+02	3.63E+02	3.24E+02	2.57E+02	1.28E+02	4.05E+01	3.78E-08	0.00E+00	0.00E+00
CE	144	1.72E+00	7.05E-01	2.89E-01	2.00E-02	2.33E-04	3.17E-08	7.94E-20	3.67E-39	0.00E+00	0.00E+00	0.00E+00
PR	144	1.90E+01	7.81E+00	3.21E+00	2.22E-01	2.59E-03	3.51E-07	8.80E-19	4.07E-38	0.00E+00	0.00E+00	0.00E+00
PR	144M	1.06E-02	4.36E-03	1.79E-03	1.24E-04	1.44E-06	1.96E-10	4.91E-22	2.27E-41	0.00E+00	0.00E+00	0.00E+00
PM	147	9.69E+00	7.44E+00	5.71E+00	2.59E+00	6.90E-01	4.92E-02	1.78E-05	3.27E-11	0.00E+00	0.00E+00	0.00E+00
SM	151	4.19E-02	4.16E-02	4.13E-02	4.03E-02	3.88E-02	3.59E-02	2.85E-02	1.94E-02	1.90E-05	0.00E+00	0.00E+00
EU	152	2.30E-02	2.18E-02	2.08E-02	1.78E-02	1.38E-02	8.30E-03	1.80E-03	1.41E-04	1.71E-24	0.00E+00	0.00E+00
EU	154	8.21E+01	7.57E+01	6.99E+01	5.49E+01	3.67E+01	1.64E+01	1.46E+00	2.60E-02	0.00E+00	0.00E+00	0.00E+00
EU	155	2.66E+00	2.32E+00	2.01E+00	1.32E+00	6.59E-01	1.63E-01	2.46E-03	2.27E-06	0.00E+00	0.00E+00	0.00E+00
HO	166M	9.01E-06	9.00E-06	9.00E-06	8.98E-06	8.96E-06	8.91E-06	8.75E-06	8.50E-06	5.06E-06	2.80E-08	0.00E+00
Summe		1.42E+03	1.29E+03	1.20E+03	1.02E+03	8.66E+02	6.66E+02	3.23E+02	9.96E+01	1.96E-02	1.87E-02	8.02E-04

DWR mit UO₂/MOX-Brennstoff (90/10), 1. Rezyklierung, WA-Zeitpunkt 7A / HAWC
Radioaktivität der Aktinidennuklide [Ci/TSM]

	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
TH230	7.04E-05	7.04E-05	7.05E-05	7.06E-05	7.08E-05	7.13E-05	7.31E-05	7.69E-05	2.08E-04	1.50E-03	2.94E-03
TH231	1.57E-02	7.85E-05	7.85E-05	7.85E-05	7.85E-05	7.85E-05	7.86E-05	7.87E-05	8.10E-05	1.37E-04	5.93E-04
TH234	3.14E-01	1.58E-03	1.57E-03	1.57E-03	1.57E-03	1.57E-03	1.57E-03	1.57E-03	1.57E-03	1.57E-03	1.57E-03
PA233	3.76E-01	3.75E-01	3.76E-01	3.78E-01	3.81E-01	3.87E-01	4.06E-01	4.36E-01	7.05E-01	7.89E-01	5.74E-01
PA234M	3.14E-01	1.58E-03	1.57E-03	1.57E-03	1.57E-03	1.57E-03	1.57E-03	1.57E-03	1.57E-03	1.57E-03	1.57E-03
U 232	2.53E-04	2.60E-04	2.65E-04	2.71E-04	2.67E-04	2.46E-04	1.85E-04	1.14E-04	3.33E-07	3.12E-07	1.83E-07
U 233	4.11E-07	2.22E-06	4.04E-06	9.16E-06	1.74E-05	3.42E-05	8.63E-05	1.78E-04	2.54E-03	3.29E-02	6.09E-01
U 234	4.68E-03	4.74E-03	4.80E-03	4.98E-03	5.27E-03	5.83E-03	7.36E-03	9.44E-03	1.69E-02	1.66E-02	2.48E-03
U 235	7.85E-05	7.85E-05	7.85E-05	7.85E-05	7.85E-05	7.85E-05	7.86E-05	7.87E-05	8.10E-05	1.37E-04	5.93E-04
U 236	1.43E-03	1.43E-03	1.43E-03	1.43E-03	1.43E-03	1.44E-03	1.45E-03	1.48E-03	1.99E-03	5.17E-03	6.95E-03
U 237	1.70E-02	1.62E-02	1.54E-02	1.34E-02	1.05E-02	6.50E-03	1.55E-03	1.63E-04	2.37E-05	1.14E-05	0.00E+00
U 238	1.57E-03	1.57E-03	1.57E-03	1.57E-03	1.57E-03	1.57E-03	1.57E-03	1.57E-03	1.57E-03	1.57E-03	1.57E-03
NP237	3.74E-01	3.75E-01	3.76E-01	3.78E-01	3.81E-01	3.87E-01	4.06E-01	4.36E-01	7.05E-01	7.89E-01	5.74E-01
NP238	4.57E-02	4.54E-02	4.52E-02	4.46E-02	4.36E-02	4.16E-02	3.63E-02	2.89E-02	4.78E-04	7.25E-22	0.00E+00
NP239	4.25E+01	4.24E+01	4.24E+01	4.24E+01	4.24E+01	4.24E+01	4.22E+01	4.20E+01	3.86E+01	1.66E+01	3.77E-06
PU238	2.14E+01	2.13E+01	2.12E+01	2.09E+01	2.03E+01	1.93E+01	1.66E+01	1.29E+01	8.97E-02	2.85E-19	0.00E+00
PU239	2.02E+00	2.02E+00	2.02E+00	2.03E+00	2.04E+00	2.06E+00	2.11E+00	2.17E+00	3.15E+00	8.28E+00	3.77E-06
PU240	3.73E+00	4.36E+00	4.97E+00	6.65E+00	9.06E+00	1.27E+01	1.80E+01	2.00E+01	1.85E+01	7.12E+00	3.25E-08
PU241	6.78E+02	6.47E+02	6.16E+02	5.33E+02	4.20E+02	2.60E+02	6.21E+01	6.52E+00	9.47E-01	4.54E-01	0.00E+00
PU242	1.88E-02	1.88E-02	1.88E-02	1.89E-02	1.89E-02	1.89E-02	1.91E-02	1.93E-02	2.20E-02	3.36E-02	6.47E-03
AM241	2.03E+03	2.03E+03	2.02E+03	2.02E+03	2.01E+03	1.98E+03	1.89E+03	1.75E+03	4.14E+02	4.55E-01	0.00E+00
AM242M	9.12E+00	9.08E+00	9.04E+00	8.92E+00	8.72E+00	8.33E+00	7.26E+00	5.78E+00	9.56E-02	1.45E-19	0.00E+00
AM242	9.08E+00	9.04E+00	9.00E+00	8.87E+00	8.67E+00	8.29E+00	7.23E+00	5.75E+00	9.51E-02	1.44E-19	0.00E+00
AM243	4.24E+01	4.24E+01	4.24E+01	4.24E+01	4.24E+01	4.24E+01	4.22E+01	4.20E+01	3.86E+01	1.66E+01	3.77E-06
CM242	9.19E+00	7.84E+00	7.53E+00	7.35E+00	7.18E+00	6.85E+00	5.98E+00	4.76E+00	7.86E-02	1.20E-19	0.00E+00
CM243	3.78E+01	3.69E+01	3.60E+01	3.35E+01	2.96E+01	2.32E+01	1.12E+01	3.32E+00	1.04E-09	0.00E+00	0.00E+00
CM244	6.06E+03	5.83E+03	5.61E+03	5.00E+03	4.13E+03	2.82E+03	8.94E+02	1.32E+02	1.46E-13	0.00E+00	0.00E+00
CM245	1.03E+00	1.03E+00	1.03E+00	1.03E+00	1.02E+00	1.02E+00	1.02E+00	1.02E+00	9.45E-01	4.54E-01	0.00E+00
CM246	1.56E+00	1.56E+00	1.56E+00	1.56E+00	1.56E+00	1.56E+00	1.55E+00	1.54E+00	1.35E+00	3.61E-01	7.01E-30
CF249	9.77E-05	9.77E-05	9.76E-05	9.70E-05	9.61E-05	9.42E-05	8.88E-05	8.04E-05	1.36E-05	2.54E-13	0.00E+00
Summe	8.95E+03	8.68E+03	8.43E+03	7.73E+03	6.73E+03	5.23E+03	3.00E+03	2.03E+03	5.18E+02	5.21E+01	6.68E+00

DWR mit UO ₂ /MOX-Brennstoff (90/10), 1. Rezyklierung, WA-Zeitpunkt 7A / HAWC Wärmeleistung der Aktinidennuklide [W/TSM]											
	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
RN220	1.55E-03	1.08E-03	7.58E-04	2.62E-04	5.14E-05	1.07E-05	7.21E-06	4.46E-06	1.27E-08	1.19E-08	2.01E-08
RA224	1.40E-03	9.80E-04	6.85E-04	2.37E-04	4.65E-05	9.65E-06	6.51E-06	4.03E-06	1.15E-08	1.08E-08	1.82E-08
TH228	1.33E-03	9.29E-04	6.50E-04	2.25E-04	4.41E-05	9.20E-06	6.21E-06	3.84E-06	1.09E-08	1.03E-08	1.73E-08
TH230	1.99E-06	1.99E-06	1.99E-06	2.00E-06	2.00E-06	2.02E-06	2.07E-06	2.17E-06	5.87E-06	4.24E-05	8.32E-05
PA233	8.54E-04	8.51E-04	8.53E-04	8.57E-04	8.65E-04	8.79E-04	9.22E-04	9.89E-04	1.60E-03	1.79E-03	1.30E-03
PA234M	1.55E-03	7.80E-06	7.76E-06	7.76E-06	7.76E-06	7.76E-06	7.76E-06	7.76E-06	7.76E-06	7.76E-06	7.77E-06
U 232	8.12E-06	8.34E-06	8.50E-06	8.70E-06	8.58E-06	7.90E-06	5.93E-06	3.67E-06	1.07E-08	1.00E-08	5.87E-09
U 233	1.20E-08	6.47E-08	1.18E-07	2.66E-07	5.08E-07	9.96E-07	2.51E-06	5.19E-06	7.39E-05	9.57E-04	1.77E-02
U 234	1.35E-04	1.36E-04	1.38E-04	1.43E-04	1.52E-04	1.68E-04	2.12E-04	2.72E-04	4.87E-04	4.78E-04	7.14E-05
U 235	2.18E-06	2.18E-06	2.18E-06	2.18E-06	2.18E-06	2.18E-06	2.18E-06	2.18E-06	2.25E-06	3.80E-06	1.65E-05
U 236	3.87E-05	3.87E-05	3.88E-05	3.88E-05	3.88E-05	3.89E-05	3.93E-05	4.00E-05	5.40E-05	1.40E-04	1.88E-04
U 238	3.97E-05	3.97E-05	3.97E-05	3.97E-05	3.97E-05	3.97E-05	3.97E-05	3.97E-05	3.97E-05	3.97E-05	3.98E-05
NP237	1.10E-02	1.10E-02	1.10E-02	1.11E-02	1.12E-02	1.14E-02	1.19E-02	1.28E-02	2.07E-02	2.32E-02	1.69E-02
NP238	2.19E-04	2.18E-04	2.17E-04	2.14E-04	2.09E-04	1.99E-04	1.74E-04	1.39E-04	2.29E-06	3.47E-24	0.00E+00
NP239	1.03E-01	1.03E-01	1.03E-01	1.03E-01	1.02E-01	1.02E-01	1.02E-01	1.02E-01	9.34E-02	4.01E-02	9.11E-09
PU238	7.09E-01	7.06E-01	7.02E-01	6.92E-01	6.74E-01	6.41E-01	5.51E-01	4.29E-01	2.97E-03	9.44E-21	0.00E+00
PU239	6.27E-02	6.28E-02	6.28E-02	6.30E-02	6.34E-02	6.40E-02	6.55E-02	6.76E-02	9.80E-02	2.57E-01	1.17E-07
PU240	1.16E-01	1.36E-01	1.55E-01	2.07E-01	2.82E-01	3.95E-01	5.60E-01	6.22E-01	5.76E-01	2.22E-01	1.01E-09
PU241	2.09E-02	1.99E-02	1.90E-02	1.64E-02	1.29E-02	8.00E-03	1.91E-03	2.01E-04	2.92E-05	1.40E-05	0.00E+00
PU242	5.56E-04	5.56E-04	5.57E-04	5.57E-04	5.58E-04	5.59E-04	5.64E-04	5.71E-04	6.50E-04	9.93E-04	1.91E-04
AM241	6.78E+01	6.77E+01	6.77E+01	6.74E+01	6.70E+01	6.61E+01	6.32E+01	5.84E+01	1.38E+01	1.52E-02	0.00E+00
AM242M	3.60E-03	3.59E-03	3.57E-03	3.52E-03	3.44E-03	3.29E-03	2.87E-03	2.28E-03	3.77E-05	5.72E-23	0.00E+00
AM242	1.05E-02	1.05E-02	1.05E-02	1.03E-02	1.01E-02	9.63E-03	8.40E-03	6.69E-03	1.10E-04	1.68E-22	0.00E+00
AM243	1.37E+00	1.37E+00	1.37E+00	1.37E+00	1.37E+00	1.37E+00	1.36E+00	1.36E+00	1.25E+00	5.35E-01	1.21E-07
CM242	3.39E-01	2.89E-01	2.77E-01	2.71E-01	2.64E-01	2.53E-01	2.20E-01	1.75E-01	2.90E-03	4.41E-21	0.00E+00
CM243	1.39E+00	1.35E+00	1.32E+00	1.23E+00	1.09E+00	8.53E-01	4.11E-01	1.22E-01	3.82E-11	0.00E+00	0.00E+00
CM244	2.12E+02	2.04E+02	1.96E+02	1.75E+02	1.45E+02	9.86E+01	3.13E+01	4.62E+00	5.10E-15	0.00E+00	0.00E+00
CM245	3.42E-02	3.42E-02	3.42E-02	3.42E-02	3.42E-02	3.41E-02	3.40E-02	3.39E-02	3.15E-02	1.51E-02	0.00E+00
CM246	5.11E-02	5.11E-02	5.11E-02	5.11E-02	5.10E-02	5.10E-02	5.07E-02	5.04E-02	4.42E-02	1.18E-02	2.30E-31
CF249	3.64E-06	3.64E-06	3.64E-06	3.62E-06	3.59E-06	3.52E-06	3.31E-06	3.00E-06	5.06E-07	9.46E-15	0.00E+00
Summe	2.84E+02	2.76E+02	2.68E+02	2.46E+02	2.16E+02	1.68E+02	9.79E+01	6.60E+01	1.59E+01	1.13E+00	1.61E-01

DWR mit UO₂/MOX-Brennstoff (90/10), 1. Rezyklierung, WA-Zeitpunkt 7A / HAWC
 Konzentrationen der Spaltproduktelemente [G/TSM]

	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
GE	4.86E-01	4.86E-01	4.86E-01	4.86E-01	4.86E-01	4.86E-01	4.86E-01	4.86E-01	4.86E-01	4.86E-01	4.86E-01
SE	3.91E+01	3.91E+01	3.91E+01	3.91E+01	3.91E+01	3.91E+01	3.91E+01	3.91E+01	3.91E+01	3.88E+01	3.53E+01
BR	2.59E+01	2.59E+01	2.59E+01	2.59E+01	2.59E+01	2.59E+01	2.59E+01	2.59E+01	2.59E+01	2.63E+01	2.97E+01
RB	4.00E+02	4.00E+02	4.00E+02	4.00E+02	4.00E+02	4.00E+02	4.00E+02	4.00E+02	4.00E+02	4.00E+02	4.00E+02
SR	9.31E+02	9.18E+02	9.06E+02	8.71E+02	8.18E+02	7.30E+02	5.61E+02	4.49E+02	4.00E+02	4.00E+02	4.00E+02
Y	5.28E+02	5.28E+02	5.28E+02	5.28E+02	5.28E+02	5.28E+02	5.28E+02	5.28E+02	5.28E+02	5.28E+02	5.28E+02
ZR	2.75E+03	2.76E+03	2.77E+03	2.81E+03	2.86E+03	2.95E+03	3.12E+03	3.23E+03	3.28E+03	3.28E+03	3.08E+03
MO	2.03E+03	2.03E+03	2.03E+03	2.03E+03	2.03E+03	2.03E+03	2.03E+03	2.03E+03	2.03E+03	2.03E+03	2.03E+03
TC	7.30E+02	7.30E+02	7.30E+02	7.30E+02	7.30E+02	7.30E+02	7.30E+02	7.30E+02	7.28E+02	7.07E+02	2.82E+01
RU	1.09E+03	1.09E+03	1.09E+03	1.09E+03	1.09E+03	1.09E+03	1.09E+03	1.09E+03	1.09E+03	1.11E+03	1.79E+03
RH	2.79E+02	2.79E+02	2.79E+02	2.79E+02	2.79E+02	2.79E+02	2.79E+02	2.79E+02	2.79E+02	2.79E+02	2.79E+02
PD	1.43E+03	1.43E+03	1.43E+03	1.43E+03	1.43E+03	1.43E+03	1.43E+03	1.43E+03	1.43E+03	1.43E+03	1.41E+03
AG	4.16E+00	4.16E+00	4.16E+00	4.16E+00	4.16E+00	4.16E+00	4.16E+00	4.16E+00	4.18E+00	4.39E+00	2.59E+01
CD	8.43E+01	8.43E+01	8.43E+01	8.43E+01	8.43E+01	8.43E+01	8.42E+01	8.42E+01	8.42E+01	8.42E+01	8.42E+01
IN	1.66E+00	1.67E+00	1.67E+00	1.69E+00	1.71E+00	1.74E+00	1.78E+00	1.79E+00	1.80E+00	1.80E+00	1.80E+00
SN	1.20E+01	1.20E+01	1.20E+01	1.20E+01	1.20E+01	1.20E+01	1.20E+01	1.20E+01	1.20E+01	1.17E+01	7.08E+00
SB	6.25E-01	6.03E-01	5.87E-01	5.56E-01	5.36E-01	5.29E-01	5.29E-01	5.29E-01	5.29E-01	5.29E-01	5.29E-01
TE	3.42E+02	3.42E+02	3.42E+02	3.42E+02	3.42E+02	3.42E+02	3.42E+02	3.42E+02	3.42E+02	3.42E+02	3.47E+02
CS	2.96E+03	2.93E+03	2.90E+03	2.81E+03	2.68E+03	2.48E+03	2.08E+03	1.81E+03	1.68E+03	1.68E+03	1.59E+03
BA	2.03E+03	2.06E+03	2.09E+03	2.18E+03	2.30E+03	2.51E+03	2.91E+03	3.18E+03	3.30E+03	3.30E+03	3.40E+03
LA	1.46E+03	1.46E+03	1.46E+03	1.46E+03	1.46E+03	1.46E+03	1.46E+03	1.46E+03	1.46E+03	1.46E+03	1.46E+03
CE	2.88E+03	2.87E+03	2.87E+03	2.87E+03	2.87E+03	2.87E+03	2.87E+03	2.87E+03	2.87E+03	2.87E+03	2.87E+03
PR	1.34E+03	1.34E+03	1.34E+03	1.34E+03	1.34E+03	1.34E+03	1.34E+03	1.34E+03	1.34E+03	1.34E+03	1.34E+03
ND	4.85E+03	4.85E+03	4.85E+03	4.85E+03	4.85E+03	4.85E+03	4.85E+03	4.85E+03	4.85E+03	4.85E+03	4.85E+03
PM	2.91E+01	2.24E+01	1.72E+01	7.77E+00	2.08E+00	1.48E-01	5.35E-05	9.83E-11	0.00E+00	0.00E+00	0.00E+00
SM	9.94E+02	1.00E+03	1.01E+03	1.01E+03	1.02E+03	1.02E+03	1.02E+03	1.02E+03	1.01E+03	1.01E+03	1.01E+03
EU	1.62E+02	1.58E+02	1.55E+02	1.47E+02	1.37E+02	1.28E+02	1.24E+02	1.26E+02	1.33E+02	1.33E+02	1.33E+02
GD	1.85E+02	1.89E+02	1.93E+02	2.01E+02	2.11E+02	2.21E+02	2.28E+02	2.29E+02	2.29E+02	2.29E+02	2.29E+02
TB	2.70E+00	2.70E+00	2.70E+00	2.70E+00	2.70E+00	2.70E+00	2.70E+00	2.70E+00	2.70E+00	2.70E+00	2.70E+00
DY	1.52E+00	1.52E+00	1.52E+00	1.52E+00	1.52E+00	1.52E+00	1.52E+00	1.52E+00	1.52E+00	1.52E+00	1.52E+00
Summe	2.76E+04	2.76E+04	2.76E+04	2.76E+04	2.76E+04	2.76E+04	2.76E+04	2.76E+04	2.76E+04	2.76E+04	2.76E+04

DWR mit UO ₂ /MOX-Brennstoff (90/10), 1. Rezyklierung, WA-Zeitpunkt 7A / HAWC												
Radioaktivität der Spaltprodukt nuklide [Ci/TSM]												
ZEITEN NACH DER WIEDERAUFARBEITUNG [A]												
		0	1	2	5	10	20	50	100	1000	10000	1000000
H 3		4.19E+02	3.96E+02	3.74E+02	3.16E+02	2.39E+02	1.36E+02	2.53E+01	1.53E+00	0.00E+00	0.00E+00	0.00E+00
C 14		1.69E-02	1.69E-02	1.69E-02	1.69E-02	1.69E-02	1.69E-02	1.68E-02	1.67E-02	1.50E-02	5.05E-03	0.00E+00
SE 79		2.66E-01	2.66E-01	2.66E-01	2.66E-01	2.66E-01	2.65E-01	2.65E-01	2.65E-01	2.63E-01	2.39E-01	6.18E-06
SR 90		7.25E+04	7.07E+04	6.91E+04	6.43E+04	5.71E+04	4.50E+04	2.20E+04	6.71E+03	3.35E-06	0.00E+00	0.00E+00
Y 90		7.23E+04	7.08E+04	6.91E+04	6.43E+04	5.71E+04	4.50E+04	2.21E+04	6.71E+03	3.35E-06	0.00E+00	0.00E+00
ZR 93		1.36E+00	1.36E+00	1.36E+00	1.36E+00	1.36E+00	1.36E+00	1.36E+00	1.36E+00	1.36E+00	1.35E+00	8.62E-01
NB 93M		3.52E-02	9.75E-02	1.57E-01	3.17E-01	5.36E-01	8.36E-01	1.19E+00	1.28E+00	1.29E+00	1.28E+00	8.19E-01
TC 99		1.24E+01	1.24E+01	1.24E+01	1.24E+01	1.24E+01	1.24E+01	1.24E+01	1.24E+01	1.23E+01	1.20E+01	4.79E-01
RU106		2.13E+03	1.07E+03	5.39E+02	6.85E+01	2.20E+00	2.42E-03	2.67E-12	3.15E-27	0.00E+00	0.00E+00	0.00E+00
RH106		2.67E+03	1.07E+03	5.39E+02	6.85E+01	2.20E+00	2.42E-03	2.67E-12	3.15E-27	0.00E+00	0.00E+00	0.00E+00
PD107		1.11E-01	1.11E-01	1.11E-01	1.11E-01	1.11E-01	1.11E-01	1.11E-01	1.11E-01	1.11E-01	1.10E-01	9.93E-02
CD113M		2.94E+01	2.80E+01	2.67E+01	2.32E+01	1.83E+01	1.14E+01	2.73E+00	2.54E-01	6.91E-20	0.00E+00	0.00E+00
SN121M		3.78E-02	3.73E-02	3.67E-02	3.53E-02	3.29E-02	2.86E-02	1.89E-02	9.44E-03	3.59E-08	0.00E+00	0.00E+00
SN126		1.40E-01	1.40E-01	1.40E-01	1.40E-01	1.40E-01	1.40E-01	1.40E-01	1.40E-01	1.39E-01	1.31E-01	1.40E-04
SB125		9.97E+01	7.76E+01	6.03E+01	2.84E+01	8.10E+00	6.58E-01	3.53E-04	1.25E-09	0.00E+00	0.00E+00	0.00E+00
SB126		4.85E-03	1.96E-02	1.96E-02	1.96E-02	1.96E-02	1.96E-02	1.96E-02	1.96E-02	1.95E-02	1.83E-02	1.96E-05
SB126M		3.47E-02	1.40E-01	1.40E-01	1.40E-01	1.40E-01	1.40E-01	1.40E-01	1.40E-01	1.39E-01	1.31E-01	1.40E-04
TE125M		2.96E+02	2.24E+01	1.48E+01	6.93E+00	1.98E+00	1.61E-01	8.60E-05	3.04E-10	0.00E+00	0.00E+00	0.00E+00
CS134		2.09E+04	1.50E+04	1.07E+04	3.90E+03	7.27E+02	2.52E+01	1.05E-03	5.31E-11	0.00E+00	0.00E+00	0.00E+00
CS135		4.14E-01	4.14E-01	4.14E-01	4.14E-01	4.14E-01	4.14E-01	4.14E-01	4.14E-01	4.14E-01	4.13E-01	3.07E-01
CS137		1.10E+05	1.07E+05	1.05E+05	9.78E+04	8.71E+04	6.92E+04	3.46E+04	1.09E+04	1.02E-05	0.00E+00	0.00E+00
BA137M		1.04E+05	1.01E+05	9.91E+04	9.25E+04	8.24E+04	6.54E+04	3.27E+04	1.03E+04	9.64E-06	0.00E+00	0.00E+00
CE144		2.55E+03	1.05E+03	4.30E+02	2.97E+01	3.47E-01	4.71E-05	1.18E-16	5.45E-36	0.00E+00	0.00E+00	0.00E+00
PR144		2.55E+03	1.05E+03	4.30E+02	2.97E+01	3.47E-01	4.71E-05	1.18E-16	5.45E-36	0.00E+00	0.00E+00	0.00E+00
PR144M		3.06E+01	1.26E+01	5.16E+00	3.57E-01	4.16E-03	5.65E-07	1.42E-18	6.54E-38	0.00E+00	0.00E+00	0.00E+00
PM147		2.70E+04	2.07E+04	1.59E+04	7.21E+03	1.92E+03	1.37E+02	4.96E-02	9.11E-08	0.00E+00	0.00E+00	0.00E+00
SM151		3.93E+02	3.89E+02	3.87E+02	3.78E+02	3.63E+02	3.36E+02	2.67E+02	1.82E+02	1.78E-01	0.00E+00	0.00E+00
EU152		3.74E+00	3.55E+00	3.38E+00	2.90E+00	2.25E+00	1.35E+00	2.93E-01	2.29E-02	2.78E-22	0.00E+00	0.00E+00
EU154		9.48E+03	8.74E+03	8.07E+03	6.33E+03	4.23E+03	1.89E+03	1.69E+02	3.00E+00	0.00E+00	0.00E+00	0.00E+00
EU155		3.91E+03	3.40E+03	2.96E+03	1.95E+03	9.67E+02	2.39E+02	3.61E+00	3.34E-03	0.00E+00	0.00E+00	0.00E+00
Summe		4.31E+05	4.03E+05	3.83E+05	3.39E+05	2.92E+05	2.27E+05	1.12E+05	3.48E+04	1.63E+01	1.57E+01	2.57E+00

DWR mit UO₂/MOX-Brennstoff (90/10), 1. Rezyklierung, WA-Zeitpunkt 7A / HAWC
 Wärmeleistung der Spaltprodukt nuklide [W/TSM]

		ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
		0	1	2	5	10	20	50	100	1000	10000	1000000
H	3	1.42E-02	1.34E-02	1.26E-02	1.07E-02	8.07E-03	4.61E-03	8.55E-04	5.17E-05	0.00E+00	0.00E+00	0.00E+00
SE	79	6.61E-05	6.61E-05	6.61E-05	6.61E-05	6.61E-05	6.61E-05	6.61E-05	6.60E-05	6.54E-05	5.94E-05	1.54E-09
SR	90	8.41E+01	8.21E+01	8.02E+01	7.47E+01	6.63E+01	5.22E+01	2.56E+01	7.79E+00	3.89E-09	0.00E+00	0.00E+00
Y	90	4.01E+02	3.92E+02	3.83E+02	3.57E+02	3.17E+02	2.50E+02	1.22E+02	3.72E+01	1.86E-08	0.00E+00	0.00E+00
ZR	93	1.58E-04	1.58E-04	1.58E-04	1.58E-04	1.58E-04	1.58E-04	1.58E-04	1.58E-04	1.58E-04	1.57E-04	1.00E-04
NB	93M	6.24E-06	1.73E-05	2.78E-05	5.62E-05	9.49E-05	1.48E-04	2.11E-04	2.27E-04	2.28E-04	2.27E-04	1.45E-04
TC	99	6.21E-03	6.21E-03	6.21E-03	6.21E-03	6.21E-03	6.21E-03	6.21E-03	6.21E-03	6.19E-03	6.01E-03	2.40E-04
RU	106	1.26E-01	6.35E-02	3.19E-02	4.06E-03	1.31E-04	1.43E-07	1.58E-16	1.86E-31	0.00E+00	0.00E+00	0.00E+00
RH	106	2.56E+01	1.03E+01	5.17E+00	6.57E-01	2.11E-02	2.32E-05	2.56E-14	3.02E-29	0.00E+00	0.00E+00	0.00E+00
AG	110M	3.31E-03	1.20E-03	4.37E-04	2.09E-05	1.32E-07	5.28E-12	3.35E-25	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CD	113M	4.95E-02	4.72E-02	4.50E-02	3.90E-02	3.08E-02	1.91E-02	4.60E-03	4.28E-04	1.16E-22	0.00E+00	0.00E+00
SN	121M	7.57E-05	7.47E-05	7.36E-05	7.06E-05	6.59E-05	5.74E-05	3.78E-05	1.89E-05	7.19E-11	0.00E+00	0.00E+00
SN	126	1.75E-04	1.75E-04	1.75E-04	1.75E-04	1.75E-04	1.75E-04	1.74E-04	1.74E-04	1.73E-04	1.63E-04	1.75E-07
SB	125	3.12E-01	2.42E-01	1.89E-01	8.88E-02	2.53E-02	2.06E-03	1.10E-06	3.90E-12	0.00E+00	0.00E+00	0.00E+00
SB	126	8.97E-05	3.62E-04	3.62E-04	3.62E-04	3.62E-04	3.62E-04	3.62E-04	3.62E-04	3.60E-04	3.38E-04	3.63E-07
SB	126M	4.41E-04	1.78E-03	1.78E-03	1.78E-03	1.78E-03	1.78E-03	1.78E-03	1.78E-03	1.77E-03	1.66E-03	1.79E-06
TE	125M	2.48E-01	1.88E-02	1.24E-02	5.83E-03	1.66E-03	1.35E-04	7.23E-08	2.56E-13	0.00E+00	0.00E+00	0.00E+00
CS	134	2.13E+02	1.52E+02	1.09E+02	3.97E+01	7.40E+00	2.57E-01	1.07E-05	5.40E-13	0.00E+00	0.00E+00	0.00E+00
CS	135	1.38E-04	1.38E-04	1.38E-04	1.38E-04	1.38E-04	1.38E-04	1.38E-04	1.38E-04	1.38E-04	1.38E-04	1.02E-04
CS	137	1.21E+02	1.19E+02	1.16E+02	1.08E+02	9.64E+01	7.65E+01	3.82E+01	1.21E+01	1.13E-08	0.00E+00	0.00E+00
BA	137M	4.08E+02	3.98E+02	3.89E+02	3.63E+02	3.24E+02	2.57E+02	1.28E+02	4.05E+01	3.79E-08	0.00E+00	0.00E+00
CE	144	1.69E+00	6.95E-01	2.85E-01	1.97E-02	2.30E-04	3.12E-08	7.82E-20	3.61E-39	0.00E+00	0.00E+00	0.00E+00
PR	144	1.87E+01	7.70E+00	3.16E+00	2.19E-01	2.55E-03	3.46E-07	8.67E-19	4.00E-38	0.00E+00	0.00E+00	0.00E+00
PR	144M	1.05E-02	4.30E-03	1.76E-03	1.22E-04	1.42E-06	1.93E-10	4.84E-22	2.24E-41	0.00E+00	0.00E+00	0.00E+00
PM	147	9.69E+00	7.44E+00	5.71E+00	2.59E+00	6.90E-01	4.92E-02	1.78E-05	3.27E-11	0.00E+00	0.00E+00	0.00E+00
SM	151	4.61E-02	4.57E-02	4.54E-02	4.43E-02	4.27E-02	3.95E-02	3.13E-02	2.13E-02	2.09E-05	0.00E+00	0.00E+00
EU	152	2.83E-02	2.69E-02	2.56E-02	2.20E-02	1.70E-02	1.02E-02	2.22E-03	1.74E-04	2.11E-24	0.00E+00	0.00E+00
EU	154	8.48E+01	7.82E+01	7.21E+01	5.67E+01	3.79E+01	1.69E+01	1.51E+00	2.68E-02	0.00E+00	0.00E+00	0.00E+00
EU	155	2.85E+00	2.47E+00	2.15E+00	1.41E+00	7.03E-01	1.74E-01	2.63E-03	2.43E-06	0.00E+00	0.00E+00	0.00E+00
HO	166M	9.72E-06	9.72E-06	9.71E-06	9.69E-06	9.67E-06	9.61E-06	9.44E-06	9.18E-06	5.46E-06	3.02E-08	0.00E+00
Summe		1.37E+03	1.25E+03	1.17E+03	1.00E+03	8.50E+02	6.53E+02	3.16E+02	9.75E+01	9.12E-03	8.76E-03	5.96E-04

DWR mit UO₂/MOX-Brennstoff (90/10), 1. Rezyklierung, WA-Zeitpunkt 7A / MAWC
Radioaktivität der Aktinidennuklide [Ci/TSM]

	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
PO216	0.00E+00	1.56E-05	2.69E-05	4.48E-05	5.24E-05	5.04E-05	3.79E-05	2.34E-05	5.64E-09	1.75E-09	2.49E-08
RN220	0.00E+00	1.56E-05	2.69E-05	4.48E-05	5.24E-05	5.04E-05	3.79E-05	2.34E-05	5.64E-09	1.75E-09	2.49E-08
RA224	0.00E+00	1.56E-05	2.69E-05	4.48E-05	5.24E-05	5.04E-05	3.79E-05	2.34E-05	5.64E-09	1.75E-09	2.49E-08
TH228	0.00E+00	1.56E-05	2.68E-05	4.48E-05	5.24E-05	5.04E-05	3.79E-05	2.34E-05	5.64E-09	1.75E-09	2.49E-08
TH231	0.00E+00	1.57E-05	1.57E-05	1.57E-05	1.57E-05	1.57E-05	1.57E-05	1.57E-05	1.61E-05	1.91E-05	2.95E-05
TH234	0.00E+00	3.14E-04	3.14E-04	3.14E-04	3.14E-04	3.14E-04	3.14E-04	3.14E-04	3.14E-04	3.14E-04	3.14E-04
PA233	0.00E+00	1.88E-03	1.88E-03	1.88E-03	1.88E-03	1.89E-03	1.93E-03	2.00E-03	2.64E-03	2.83E-03	2.05E-03
PA234M	0.00E+00	3.14E-04	3.14E-04	3.14E-04	3.14E-04	3.14E-04	3.14E-04	3.14E-04	3.14E-04	3.14E-04	3.14E-04
U 232	5.06E-05	5.20E-05	5.30E-05	5.42E-05	5.35E-05	4.92E-05	3.69E-05	2.28E-05	5.52E-09	1.57E-09	9.20E-10
U 234	9.36E-04	9.48E-04	9.60E-04	9.95E-04	1.05E-03	1.16E-03	1.44E-03	1.77E-03	2.47E-03	2.41E-03	4.41E-04
U 235	1.57E-05	1.57E-05	1.57E-05	1.57E-05	1.57E-05	1.57E-05	1.57E-05	1.57E-05	1.61E-05	1.91E-05	2.95E-05
U 236	2.86E-04	2.86E-04	2.86E-04	2.86E-04	2.86E-04	2.86E-04	2.87E-04	2.88E-04	3.07E-04	4.22E-04	4.81E-04
U 237	3.40E-03	3.24E-03	3.08E-03	2.67E-03	2.10E-03	1.30E-03	3.06E-04	2.76E-05	2.37E-09	1.14E-09	0.00E+00
U 238	3.14E-04	3.14E-04	3.14E-04	3.14E-04	3.14E-04	3.14E-04	3.14E-04	3.14E-04	3.14E-04	3.14E-04	3.14E-04
NP237	1.88E-03	1.88E-03	1.88E-03	1.88E-03	1.88E-03	1.89E-03	1.93E-03	2.00E-03	2.64E-03	2.83E-03	2.05E-03
NP239	2.14E-01	4.27E-03	4.27E-03	4.27E-03	4.27E-03	4.27E-03	4.25E-03	4.23E-03	3.89E-03	1.67E-03	3.77E-10
PU238	4.28E+00	4.25E+00	4.21E+00	4.11E+00	3.95E+00	3.65E+00	2.88E+00	1.94E+00	1.60E-03	2.87E-23	0.00E+00
PU239	4.03E-01	4.03E-01	4.03E-01	4.03E-01	4.03E-01	4.03E-01	4.03E-01	4.02E-01	3.92E-01	3.03E-01	3.77E-10
PU240	7.46E-01	7.46E-01	7.46E-01	7.46E-01	7.46E-01	7.46E-01	7.44E-01	7.40E-01	6.73E-01	2.59E-01	1.19E-09
PU241	1.36E+02	1.29E+02	1.23E+02	1.07E+02	8.38E+01	5.18E+01	1.22E+01	1.10E+00	9.47E-05	4.55E-05	0.00E+00
PU242	3.77E-03	3.77E-03	3.77E-03	3.77E-03	3.77E-03	3.77E-03	3.77E-03	3.77E-03	3.76E-03	3.70E-03	6.28E-04
AM241	2.04E-01	4.16E-01	6.18E-01	1.17E+00	1.91E+00	2.94E+00	4.08E+00	4.12E+00	9.82E-01	4.60E-05	0.00E+00
AM242M	9.19E-04	9.15E-04	9.11E-04	8.98E-04	8.78E-04	8.39E-04	7.32E-04	5.82E-04	9.62E-06	1.46E-23	0.00E+00
AM242	9.14E-04	9.10E-04	9.06E-04	8.94E-04	8.74E-04	8.35E-04	7.28E-04	5.80E-04	9.58E-06	1.45E-23	0.00E+00
AM243	4.27E-03	4.27E-03	4.27E-03	4.27E-03	4.27E-03	4.27E-03	4.25E-03	4.23E-03	3.89E-03	1.67E-03	3.77E-10
CM242	9.19E-04	7.88E-04	7.58E-04	7.41E-04	7.23E-04	6.90E-04	6.02E-04	4.79E-04	7.92E-06	1.21E-23	0.00E+00
CM243	3.78E-03	3.69E-03	3.60E-03	3.35E-03	2.96E-03	2.32E-03	1.12E-03	3.32E-04	1.04E-13	0.00E+00	0.00E+00
CM244	6.06E-01	5.83E-01	5.61E-01	5.00E-01	4.13E-01	2.82E-01	8.94E-02	1.32E-02	1.46E-17	0.00E+00	0.00E+00
CM245	1.03E-04	1.03E-04	1.03E-04	1.03E-04	1.02E-04	1.02E-04	1.02E-04	1.02E-04	9.45E-05	4.54E-05	0.00E+00
CM246	1.56E-04	1.56E-04	1.56E-04	1.56E-04	1.56E-04	1.56E-04	1.55E-04	1.54E-04	1.35E-04	3.61E-05	7.01E-34
Summe	1.42E+02	1.36E+02	1.30E+02	1.14E+02	9.13E+01	5.99E+01	2.05E+01	8.34E+00	2.07E+00	5.81E-01	3.16E-02

DWR mit UO ₂ /MOX-Brennstoff (90/10), 1. Rezyklierung, WA-Zeitpunkt 7A / MAWC											
Wärmeleistung der Aktinidennuklide [W/TSM]											
	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
BI212	0.00E+00	2.66E-07	4.57E-07	7.62E-07	8.92E-07	8.57E-07	6.45E-07	3.99E-07	9.60E-11	2.97E-11	4.24E-10
PO212	0.00E+00	5.31E-07	9.15E-07	1.52E-06	1.78E-06	1.71E-06	1.29E-06	7.98E-07	1.92E-10	5.94E-11	8.47E-10
PO216	0.00E+00	6.18E-07	1.06E-06	1.77E-06	2.08E-06	2.00E-06	1.50E-06	9.28E-07	2.23E-10	6.91E-11	9.86E-10
RN220	0.00E+00	5.93E-07	1.02E-06	1.70E-06	1.99E-06	1.91E-06	1.44E-06	8.90E-07	2.14E-10	6.63E-11	9.46E-10
RA224	0.00E+00	5.36E-07	9.23E-07	1.54E-06	1.80E-06	1.73E-06	1.30E-06	8.05E-07	1.94E-10	5.99E-11	8.55E-10
TH228	0.00E+00	5.11E-07	8.78E-07	1.46E-06	1.71E-06	1.65E-06	1.24E-06	7.67E-07	1.85E-10	5.72E-11	8.15E-10
TH234	0.00E+00	1.27E-07	1.27E-07	1.27E-07	1.27E-07	1.27E-07	1.27E-07	1.27E-07	1.27E-07	1.27E-07	1.27E-07
PA233	0.00E+00	4.27E-06	4.27E-06	4.27E-06	4.28E-06	4.30E-06	4.38E-06	4.53E-06	5.98E-06	6.42E-06	4.66E-06
PA234M	0.00E+00	1.55E-06	1.55E-06	1.55E-06	1.55E-06	1.55E-06	1.55E-06	1.55E-06	1.55E-06	1.55E-06	1.55E-06
U 232	1.62E-06	1.67E-06	1.70E-06	1.74E-06	1.72E-06	1.58E-06	1.19E-06	7.32E-07	1.77E-10	5.03E-11	2.95E-11
U 234	2.69E-05	2.73E-05	2.76E-05	2.87E-05	3.03E-05	3.34E-05	4.14E-05	5.11E-05	7.10E-05	6.94E-05	1.27E-05
U 235	4.35E-07	4.35E-07	4.35E-07	4.35E-07	4.35E-07	4.35E-07	4.36E-07	4.36E-07	4.46E-07	5.31E-07	8.18E-07
U 236	7.75E-06	7.75E-06	7.75E-06	7.75E-06	7.75E-06	7.76E-06	7.78E-06	7.81E-06	8.32E-06	1.14E-05	1.30E-05
U 238	7.94E-06	7.94E-06	7.94E-06	7.94E-06	7.94E-06	7.94E-06	7.94E-06	7.94E-06	7.94E-06	7.94E-06	7.95E-06
NP237	5.53E-05	5.53E-05	5.53E-05	5.53E-05	5.54E-05	5.56E-05	5.67E-05	5.86E-05	7.75E-05	8.31E-05	6.03E-05
NP239	5.17E-04	1.03E-05	1.03E-05	1.03E-05	1.03E-05	1.03E-05	1.03E-05	1.02E-05	9.41E-06	4.04E-06	9.11E-13
PU238	1.42E-01	1.41E-01	1.40E-01	1.36E-01	1.31E-01	1.21E-01	9.56E-02	6.44E-02	5.30E-05	9.51E-25	0.00E+00
PU239	1.25E-02	1.25E-02	1.25E-02	1.25E-02	1.25E-02	1.25E-02	1.25E-02	1.25E-02	1.22E-02	9.42E-03	1.17E-11
PU240	2.33E-02	2.33E-02	2.33E-02	2.33E-02	2.32E-02	2.32E-02	2.32E-02	2.31E-02	2.10E-02	8.08E-03	3.70E-11
PU241	4.18E-03	3.99E-03	3.80E-03	3.29E-03	2.58E-03	1.60E-03	3.77E-04	3.40E-05	2.92E-09	1.40E-09	0.00E+00
PU242	1.11E-04	1.11E-04	1.11E-04	1.11E-04	1.11E-04	1.11E-04	1.11E-04	1.11E-04	1.11E-04	1.09E-04	1.86E-05
AM241	6.83E-03	1.39E-02	2.06E-02	3.89E-02	6.39E-02	9.83E-02	1.36E-01	1.38E-01	3.28E-02	1.54E-06	0.00E+00
AM242M	3.63E-07	3.61E-07	3.59E-07	3.55E-07	3.47E-07	3.31E-07	2.89E-07	2.30E-07	3.80E-09	5.76E-27	0.00E+00
AM242	1.06E-06	1.06E-06	1.05E-06	1.04E-06	1.01E-06	9.70E-07	8.46E-07	6.73E-07	1.11E-08	1.69E-26	0.00E+00
AM243	1.38E-04	1.38E-04	1.38E-04	1.38E-04	1.38E-04	1.38E-04	1.37E-04	1.37E-04	1.25E-04	5.39E-05	1.21E-11
CM242	3.39E-05	2.90E-05	2.79E-05	2.73E-05	2.66E-05	2.54E-05	2.22E-05	1.77E-05	2.92E-07	4.44E-25	0.00E+00
CM243	1.39E-04	1.35E-04	1.32E-04	1.23E-04	1.09E-04	8.53E-05	4.11E-05	1.22E-05	3.82E-15	0.00E+00	0.00E+00
CM244	2.12E-02	2.04E-02	1.96E-02	1.75E-02	1.45E-02	9.86E-03	3.13E-03	4.62E-04	5.10E-19	0.00E+00	0.00E+00
CM245	3.42E-06	3.42E-06	3.42E-06	3.42E-06	3.42E-06	3.41E-06	3.40E-06	3.39E-06	3.15E-06	1.51E-06	0.00E+00
CM246	5.11E-06	5.11E-06	5.11E-06	5.11E-06	5.10E-06	5.10E-06	5.07E-06	5.04E-06	4.42E-06	1.18E-06	2.30E-35
Summe	2.11E-01	2.15E-01	2.20E-01	2.32E-01	2.48E-01	2.67E-01	2.72E-01	2.39E-01	6.65E-02	1.79E-02	7.45E-04

DWR mit UO₂/MOX-Brennstoff (90/10), 1. Rezyklierung, WA-Zeitpunkt 7A / MAWC
 Konzentrationen der Spaltproduktelemente [G/TSM]

	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
H	4.34E-02	4.10E-02	3.88E-02	3.28E-02	2.48E-02	1.41E-02	2.62E-03	1.59E-04	0.00E+00	0.00E+00	0.00E+00
C	3.80E-03	3.80E-03	3.80E-03	3.80E-03	3.79E-03	3.79E-03	3.78E-03	3.75E-03	3.37E-03	1.13E-03	0.00E+00
SE	6.53E-02	6.53E-02	6.53E-02	6.53E-02	6.53E-02	6.53E-02	6.53E-02	6.53E-02	6.53E-02	6.47E-02	5.90E-02
BR	2.59E-03	2.59E-03	2.59E-03	2.59E-03	2.59E-03	2.59E-03	2.59E-03	2.60E-03	2.66E-03	3.23E-03	8.95E-03
RB	4.00E-02	4.00E-02	4.00E-02	4.00E-02	4.00E-02	4.00E-02	4.00E-02	4.00E-02	4.00E-02	4.00E-02	4.00E-02
SR	9.31E-02	9.18E-02	9.06E-02	8.71E-02	8.18E-02	7.30E-02	5.61E-02	4.49E-02	4.00E-02	4.00E-02	4.00E-02
Y	5.29E-02	5.29E-02	5.29E-02	5.29E-02	5.29E-02	5.29E-02	5.29E-02	5.29E-02	5.29E-02	5.29E-02	5.29E-02
ZR	1.49E+01	1.49E+01	1.49E+01	1.49E+01	1.49E+01	1.49E+01	1.49E+01	1.49E+01	1.49E+01	1.49E+01	1.39E+01
MO	2.03E+00	2.03E+00	2.03E+00	2.03E+00	2.03E+00	2.03E+00	2.03E+00	2.03E+00	2.03E+00	2.03E+00	2.03E+00
TC	4.57E-01	4.57E-01	4.57E-01	4.57E-01	4.57E-01	4.57E-01	4.56E-01	4.56E-01	4.55E-01	4.42E-01	1.76E-02
RU	5.47E+00	5.47E+00	5.47E+00	5.47E+00	5.47E+00	5.47E+00	5.47E+00	5.47E+00	5.47E+00	5.48E+00	5.91E+00
RH	1.01E+00	1.01E+00	1.01E+00	1.01E+00	1.01E+00	1.01E+00	1.01E+00	1.01E+00	1.01E+00	1.01E+00	1.01E+00
PD	1.08E+00	1.08E+00	1.08E+00	1.08E+00	1.08E+00	1.08E+00	1.08E+00	1.08E+00	1.08E+00	1.08E+00	1.06E+00
AG	8.34E-03	8.34E-03	8.34E-03	8.34E-03	8.34E-03	8.34E-03	8.34E-03	8.34E-03	8.36E-03	8.51E-03	2.47E-02
CD	1.05E-02	1.05E-02	1.05E-02	1.05E-02	1.05E-02	1.05E-02	1.05E-02	1.05E-02	1.05E-02	1.05E-02	1.05E-02
SN	6.03E-02	6.03E-02	6.03E-02	6.03E-02	6.03E-02	6.03E-02	6.03E-02	6.03E-02	6.02E-02	5.87E-02	3.56E-02
SB	8.87E-03	8.57E-03	8.33E-03	7.89E-03	7.62E-03	7.51E-03	7.51E-03	7.51E-03	7.51E-03	7.51E-03	7.51E-03
TE	5.70E-01	5.70E-01	5.71E-01	5.71E-01	5.71E-01	5.72E-01	5.72E-01	5.72E-01	5.72E-01	5.73E-01	5.96E-01
I	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.80E-02	2.79E-02	2.70E-02
CS	2.96E-01	2.93E-01	2.90E-01	2.81E-01	2.69E-01	2.48E-01	2.08E-01	1.81E-01	1.68E-01	1.68E-01	1.59E-01
BA	2.03E-01	2.06E-01	2.09E-01	2.18E-01	2.30E-01	2.51E-01	2.91E-01	3.18E-01	3.30E-01	3.30E-01	3.40E-01
LA	1.46E-01	1.46E-01	1.46E-01	1.46E-01	1.46E-01	1.46E-01	1.46E-01	1.46E-01	1.46E-01	1.46E-01	1.46E-01
CE	2.88E-01	2.87E-01	2.87E-01	2.87E-01	2.87E-01	2.87E-01	2.87E-01	2.87E-01	2.87E-01	2.87E-01	2.87E-01
PR	1.34E-01	1.34E-01	1.34E-01	1.34E-01	1.34E-01	1.34E-01	1.34E-01	1.34E-01	1.34E-01	1.34E-01	1.34E-01
ND	4.85E-01	4.85E-01	4.85E-01	4.85E-01	4.85E-01	4.85E-01	4.85E-01	4.85E-01	4.85E-01	4.85E-01	4.85E-01
PM	2.91E-03	2.24E-03	1.72E-03	7.77E-04	2.08E-04	1.48E-05	5.35E-09	9.83E-15	0.00E+00	0.00E+00	0.00E+00
SM	9.94E-02	1.00E-01	1.01E-01	1.01E-01	1.02E-01	1.02E-01	1.02E-01	1.02E-01	1.01E-01	1.01E-01	1.01E-01
EU	1.62E-02	1.58E-02	1.55E-02	1.47E-02	1.37E-02	1.28E-02	1.24E-02	1.26E-02	1.33E-02	1.33E-02	1.33E-02
GD	1.86E-02	1.89E-02	1.93E-02	2.01E-02	2.11E-02	2.22E-02	2.28E-02	2.29E-02	2.29E-02	2.29E-02	2.29E-02
TB	2.70E-04	2.70E-04	2.70E-04	2.70E-04	2.70E-04	2.70E-04	2.70E-04	2.70E-04	2.70E-04	2.70E-04	2.70E-04
Summe	2.76E+01	2.76E+01	2.76E+01	2.76E+01	2.76E+01	2.76E+01	2.76E+01	2.76E+01	2.76E+01	2.76E+01	2.76E+01

DWR mit UO ₂ /MOX-Brennstoff (90/10), 1. Rezyklierung, WA-Zeitpunkt 7A / MAWC Radioaktivität der Spaltprodukt nuklide [Ci/TSM]												
ZEITEN NACH DER WIEDERAUFARBEITUNG [A]												
	0	1	2	5	10	20	50	100	1000	10000	1000000	
H 3	4.19E+02	3.96E+02	3.74E+02	3.16E+02	2.39E+02	1.36E+02	2.53E+01	1.53E+00	0.00E+00	0.00E+00	0.00E+00	
C 14	1.69E-02	1.69E-02	1.69E-02	1.69E-02	1.69E-02	1.69E-02	1.68E-02	1.67E-02	1.50E-02	5.05E-03	0.00E+00	
SE 79	4.43E-04	4.43E-04	4.43E-04	4.43E-04	4.43E-04	4.43E-04	4.43E-04	4.43E-04	4.39E-04	3.98E-04	1.03E-08	
SR 90	7.25E+00	7.08E+00	6.91E+00	6.43E+00	5.71E+00	4.50E+00	2.20E+00	6.71E-01	3.35E-10	0.00E+00	0.00E+00	
Y 90	7.25E+00	7.08E+00	6.91E+00	6.43E+00	5.71E+00	4.50E+00	2.21E+00	6.71E-01	3.35E-10	0.00E+00	0.00E+00	
ZR 93	7.34E-03	7.34E-03	7.34E-03	7.34E-03	7.34E-03	7.34E-03	7.34E-03	7.34E-03	7.34E-03	7.31E-03	4.67E-03	
NB 93M	7.06E-05	4.14E-04	7.40E-04	1.62E-03	2.83E-03	4.48E-03	6.44E-03	6.93E-03	6.97E-03	6.94E-03	4.44E-03	
TC 99	7.74E-03	7.74E-03	7.74E-03	7.74E-03	7.74E-03	7.74E-03	7.74E-03	7.74E-03	7.72E-03	7.50E-03	2.99E-04	
RU106	1.07E+01	5.39E+00	2.71E+00	3.44E-01	1.11E-02	1.20E-05	1.32E-14	1.56E-29	0.00E+00	0.00E+00	0.00E+00	
RH106	9.64E+00	5.39E+00	2.71E+00	3.44E-01	1.11E-02	1.20E-05	1.32E-14	1.56E-29	0.00E+00	0.00E+00	0.00E+00	
PD107	8.30E-05	8.30E-05	8.30E-05	8.30E-05	8.30E-05	8.30E-05	8.30E-05	8.30E-05	8.29E-05	8.29E-05	7.46E-05	
CD113M	3.67E-03	3.50E-03	3.34E-03	2.90E-03	2.29E-03	1.42E-03	3.42E-04	3.18E-05	8.64E-24	0.00E+00	0.00E+00	
SN121M	1.90E-04	1.87E-04	1.85E-04	1.77E-04	1.65E-04	1.44E-04	9.49E-05	4.74E-05	1.80E-10	0.00E+00	0.00E+00	
SN126	7.03E-04	7.03E-04	7.03E-04	7.03E-04	7.03E-04	7.03E-04	7.03E-04	7.03E-04	6.98E-04	6.56E-04	7.53E-07	
SB125	1.42E+00	1.10E+00	8.57E-01	4.03E-01	1.15E-01	9.34E-03	5.01E-06	1.77E-11	0.00E+00	0.00E+00	0.00E+00	
SB126	6.89E-05	9.85E-05	9.85E-05	9.85E-05	9.85E-05	9.84E-05	9.84E-05	9.84E-05	9.78E-05	9.19E-05	1.05E-07	
SB126M	4.92E-04	7.03E-04	7.03E-04	7.03E-04	7.03E-04	7.03E-04	7.03E-04	7.03E-04	6.98E-04	6.56E-04	7.53E-07	
TE125M	4.93E-01	2.71E-01	2.09E-01	9.84E-02	2.81E-02	2.28E-03	1.22E-06	4.32E-12	0.00E+00	0.00E+00	0.00E+00	
CS134	2.09E+00	1.50E+00	1.07E+00	3.90E-01	7.27E-02	2.52E-03	1.05E-07	5.31E-15	0.00E+00	0.00E+00	0.00E+00	
CS135	4.14E-05	4.14E-05	4.14E-05	4.14E-05	4.14E-05	4.14E-05	4.14E-05	4.14E-05	4.14E-05	4.13E-05	3.07E-05	
CS137	1.10E+01	1.07E+01	1.05E+01	9.78E+00	8.71E+00	6.92E+00	3.46E+00	1.09E+00	1.02E-09	0.00E+00	0.00E+00	
BA137M	1.04E+01	1.01E+01	9.92E+00	9.25E+00	8.24E+00	6.54E+00	3.27E+00	1.03E+00	9.64E-10	0.00E+00	0.00E+00	
CE144	2.55E-01	1.05E-01	4.30E-02	2.97E-03	3.47E-05	4.71E-09	1.18E-20	5.45E-40	0.00E+00	0.00E+00	0.00E+00	
PR144	2.55E-01	1.05E-01	4.30E-02	2.97E-03	3.47E-05	4.71E-09	1.18E-20	5.45E-40	0.00E+00	0.00E+00	0.00E+00	
PR144M	3.06E-03	1.26E-03	5.16E-04	3.57E-05	4.16E-07	5.65E-11	1.42E-22	6.54E-42	0.00E+00	0.00E+00	0.00E+00	
PM147	2.70E+00	2.07E+00	1.59E+00	7.21E-01	1.92E-01	1.37E-02	4.96E-06	9.11E-12	0.00E+00	0.00E+00	0.00E+00	
SM151	3.93E-02	3.90E-02	3.87E-02	3.78E-02	3.63E-02	3.37E-02	2.67E-02	1.82E-02	1.78E-05	0.00E+00	0.00E+00	
EU152	3.74E-04	3.55E-04	3.38E-04	2.90E-04	2.25E-04	1.35E-04	2.93E-05	2.29E-06	2.78E-26	0.00E+00	0.00E+00	
EU154	9.48E-01	8.74E-01	8.07E-01	6.33E-01	4.23E-01	1.89E-01	1.69E-02	3.00E-04	0.00E+00	0.00E+00	0.00E+00	
EU155	3.91E-01	3.40E-01	2.96E-01	1.95E-01	9.67E-02	2.39E-02	3.61E-04	3.34E-07	0.00E+00	0.00E+00	0.00E+00	
Summe	4.84E+02	4.48E+02	4.19E+02	3.51E+02	2.68E+02	1.59E+02	3.65E+01	5.05E+00	3.91E-02	2.87E-02	9.51E-03	

DWR mit UO₂/MOX-Brennstoff (90/10), 1. Rezyklierung, WA-Zeitpunkt 7A / MAWC
 Wärmeleistung der Spaltprodukt nuklide [W/TSM]

		ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
		0	1	2	5	10	20	50	100	1000	10000	1000000
H	3	1.42E-02	1.34E-02	1.26E-02	1.07E-02	8.07E-03	4.61E-03	8.55E-04	5.17E-05	0.00E+00	0.00E+00	0.00E+00
C	14	4.97E-06	4.97E-06	4.97E-06	4.97E-06	4.96E-06	4.96E-06	4.94E-06	4.91E-06	4.40E-06	1.48E-06	0.00E+00
SE	79	1.10E-07	1.10E-07	1.10E-07	1.10E-07	1.10E-07	1.10E-07	1.10E-07	1.10E-07	1.09E-07	9.92E-08	2.57E-12
SR	90	8.41E-03	8.21E-03	8.02E-03	7.47E-03	6.63E-03	5.23E-03	2.56E-03	7.79E-04	3.89E-13	0.00E+00	0.00E+00
Y	90	4.02E-02	3.92E-02	3.83E-02	3.57E-02	3.17E-02	2.50E-02	1.22E-02	3.72E-03	1.86E-12	0.00E+00	0.00E+00
ZR	93	8.53E-07	8.53E-07	8.53E-07	8.53E-07	8.53E-07	8.53E-07	8.53E-07	8.53E-07	8.53E-07	8.49E-07	5.42E-07
NB	93M	1.25E-08	7.33E-08	1.31E-07	2.88E-07	5.01E-07	7.95E-07	1.14E-06	1.23E-06	1.24E-06	1.23E-06	7.86E-07
TC	99	3.88E-06	3.88E-06	3.88E-06	3.88E-06	3.88E-06	3.88E-06	3.88E-06	3.88E-06	3.87E-06	3.76E-06	1.50E-07
RU	106	6.35E-04	3.19E-04	1.61E-04	2.04E-05	6.56E-07	7.11E-10	7.85E-19	9.25E-34	0.00E+00	0.00E+00	0.00E+00
RH	106	9.25E-02	5.17E-02	2.60E-02	3.30E-03	1.06E-04	1.15E-07	1.27E-16	1.50E-31	0.00E+00	0.00E+00	0.00E+00
AG	110M	6.63E-06	2.41E-06	8.75E-07	4.19E-08	2.65E-10	1.06E-14	6.71E-28	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CD	113M	6.19E-06	5.90E-06	5.63E-06	4.88E-06	3.85E-06	2.39E-06	5.75E-07	5.35E-08	1.45E-26	0.00E+00	0.00E+00
SN	121M	3.80E-07	3.75E-07	3.70E-07	3.55E-07	3.31E-07	2.88E-07	1.90E-07	9.51E-08	3.61E-13	0.00E+00	0.00E+00
SN	126	8.77E-07	8.77E-07	8.77E-07	8.77E-07	8.77E-07	8.77E-07	8.77E-07	8.77E-07	8.71E-07	8.18E-07	9.39E-10
SB	125	4.42E-03	3.44E-03	2.68E-03	1.26E-03	3.59E-04	2.92E-05	1.56E-08	5.53E-14	0.00E+00	0.00E+00	0.00E+00
SB	126	1.27E-06	1.82E-06	1.82E-06	1.82E-06	1.82E-06	1.82E-06	1.82E-06	1.82E-06	1.81E-06	1.70E-06	1.95E-09
SB	126M	6.27E-06	8.95E-06	8.95E-06	8.95E-06	8.95E-06	8.95E-06	8.95E-06	8.95E-06	8.89E-06	8.36E-06	9.59E-09
TE	125M	4.15E-04	2.27E-04	1.76E-04	8.27E-05	2.36E-05	1.92E-06	1.03E-09	3.63E-15	0.00E+00	0.00E+00	0.00E+00
CS	134	2.13E-02	1.52E-02	1.09E-02	3.97E-03	7.40E-04	2.57E-05	1.07E-09	5.41E-17	0.00E+00	0.00E+00	0.00E+00
CS	135	1.38E-08	1.38E-08	1.38E-08	1.38E-08	1.38E-08	1.38E-08	1.38E-08	1.38E-08	1.38E-08	1.38E-08	1.02E-08
CS	137	1.21E-02	1.19E-02	1.16E-02	1.08E-02	9.64E-03	7.65E-03	3.83E-03	1.21E-03	1.13E-12	0.00E+00	0.00E+00
BA	137M	4.08E-02	3.98E-02	3.89E-02	3.63E-02	3.24E-02	2.57E-02	1.28E-02	4.05E-03	3.79E-12	0.00E+00	0.00E+00
CE	144	1.69E-04	6.95E-05	2.85E-05	1.97E-06	2.30E-08	3.12E-12	7.82E-24	3.61E-43	0.00E+00	0.00E+00	0.00E+00
PR	144	1.88E-03	7.70E-04	3.16E-04	2.19E-05	2.55E-07	3.46E-11	8.67E-23	4.01E-42	0.00E+00	0.00E+00	0.00E+00
PR	144M	1.05E-06	4.30E-07	1.76E-07	1.22E-08	1.42E-10	1.93E-14	4.84E-26	2.24E-45	0.00E+00	0.00E+00	0.00E+00
PM	147	9.69E-04	7.44E-04	5.71E-04	2.59E-04	6.90E-05	4.92E-06	1.78E-09	3.27E-15	0.00E+00	0.00E+00	0.00E+00
SM	151	4.61E-06	4.57E-06	4.54E-06	4.43E-06	4.27E-06	3.95E-06	3.13E-06	2.13E-06	2.09E-09	0.00E+00	0.00E+00
EU	152	2.83E-06	2.69E-06	2.56E-06	2.20E-06	1.70E-06	1.02E-06	2.22E-07	1.74E-08	2.11E-28	0.00E+00	0.00E+00
EU	154	8.48E-03	7.82E-03	7.22E-03	5.67E-03	3.79E-03	1.69E-03	1.51E-04	2.68E-06	0.00E+00	0.00E+00	0.00E+00
EU	155	2.85E-04	2.47E-04	2.15E-04	1.41E-04	7.04E-05	1.74E-05	2.63E-07	2.43E-10	0.00E+00	0.00E+00	0.00E+00
Summe		2.47E-01	1.93E-01	1.58E-01	1.16E-01	9.36E-02	6.99E-02	3.25E-02	9.83E-03	2.21E-05	1.83E-05	1.51E-06

DWR mit UO₂/MOX-Brennstoff (90/10), 1. Rezyklierung, WA-Zeitpunkt 7A / FKS
Radioaktivität der Aktinidennuklide [Ci/TSM]

	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
PB212	0.00E+00	4.75E-05	8.28E-05	1.42E-04	1.71E-04	1.66E-04	1.25E-04	7.75E-05	1.35E-08	6.20E-10	9.20E-08
BI212	0.00E+00	4.75E-05	8.28E-05	1.42E-04	1.71E-04	1.66E-04	1.25E-04	7.75E-05	1.35E-08	6.20E-10	9.20E-08
PO212	0.00E+00	3.04E-05	5.31E-05	9.09E-05	1.09E-04	1.07E-04	8.04E-05	4.97E-05	8.62E-09	3.98E-10	5.90E-08
PO216	0.00E+00	4.75E-05	8.28E-05	1.42E-04	1.71E-04	1.66E-04	1.25E-04	7.75E-05	1.35E-08	6.20E-10	9.20E-08
RN220	0.00E+00	4.75E-05	8.28E-05	1.42E-04	1.71E-04	1.66E-04	1.25E-04	7.75E-05	1.35E-08	6.20E-10	9.20E-08
RA224	0.00E+00	4.75E-05	8.28E-05	1.42E-04	1.71E-04	1.66E-04	1.25E-04	7.75E-05	1.35E-08	6.20E-10	9.20E-08
TH228	0.00E+00	4.75E-05	8.26E-05	1.42E-04	1.70E-04	1.66E-04	1.25E-04	7.75E-05	1.34E-08	6.20E-10	9.20E-08
TH234	0.00E+00	9.42E-04	9.42E-04	9.42E-04	9.42E-04	9.42E-04	9.42E-04	9.42E-04	9.42E-04	9.42E-04	9.43E-04
PA233	0.00E+00	4.81E-06	9.94E-06	2.72E-05	6.10E-05	1.43E-04	4.43E-04	9.72E-04	5.92E-03	7.43E-03	5.39E-03
PA234M	0.00E+00	9.42E-04	9.42E-04	9.42E-04	9.42E-04	9.42E-04	9.42E-04	9.42E-04	9.42E-04	9.42E-04	9.43E-04
U 232	1.52E-04	1.60E-04	1.66E-04	1.75E-04	1.75E-04	1.63E-04	1.22E-04	7.55E-05	1.30E-08	0.00E+00	0.00E+00
U 234	2.81E-03	2.87E-03	2.93E-03	3.11E-03	3.39E-03	3.93E-03	5.31E-03	7.00E-03	1.05E-02	1.03E-02	1.51E-03
U 235	4.71E-05	4.71E-05	4.71E-05	4.71E-05	4.71E-05	4.71E-05	4.72E-05	4.73E-05	4.90E-05	6.46E-05	1.19E-04
U 236	8.58E-04	8.58E-04	8.58E-04	8.59E-04	8.59E-04	8.60E-04	8.64E-04	8.69E-04	9.63E-04	1.54E-03	1.85E-03
U 237	1.02E-02	1.62E-02	1.54E-02	1.33E-02	1.05E-02	6.49E-03	1.53E-03	1.38E-04	8.26E-11	4.67E-11	0.00E+00
U 238	9.42E-04	9.42E-04	9.42E-04	9.42E-04	9.42E-04	9.42E-04	9.42E-04	9.42E-04	9.42E-04	9.42E-04	9.43E-04
NP237	0.00E+00	4.81E-06	9.94E-06	2.72E-05	6.10E-05	1.43E-04	4.43E-04	9.72E-04	5.92E-03	7.43E-03	5.39E-03
NP238	0.00E+00	3.20E-04	3.19E-04	3.14E-04	3.07E-04	2.94E-04	2.56E-04	2.04E-04	3.37E-06	5.11E-24	0.00E+00
NP239	0.00E+00	2.99E-01	2.99E-01	2.99E-01	2.99E-01	2.99E-01	2.98E-01	2.96E-01	2.72E-01	1.17E-01	7.85E-11
PU238	2.14E+01	2.12E+01	2.11E+01	2.06E+01	1.98E+01	1.83E+01	1.44E+01	9.74E+00	8.53E-03	2.01E-21	0.00E+00
PU239	2.02E+00	2.02E+00	2.02E+00	2.02E+00	2.02E+00	2.02E+00	2.01E+00	2.01E+00	1.97E+00	1.56E+00	7.92E-11
PU240	3.73E+00	3.73E+00	3.73E+00	3.73E+00	3.73E+00	3.72E+00	3.71E+00	3.69E+00	3.36E+00	1.29E+00	5.92E-09
PU241	6.78E+02	6.46E+02	6.16E+02	5.33E+02	4.19E+02	2.59E+02	6.11E+01	5.51E+00	3.30E-06	1.87E-06	0.00E+00
PU242	1.88E-02	1.88E-02	1.88E-02	1.88E-02	1.88E-02	1.88E-02	1.88E-02	1.88E-02	1.88E-02	1.88E-02	3.14E-03
AM241	1.43E+01	1.53E+01	1.63E+01	1.90E+01	2.26E+01	2.76E+01	3.27E+01	3.19E+01	7.58E+00	5.97E-06	0.00E+00
AM242M	6.43E-02	6.40E-02	6.37E-02	6.29E-02	6.15E-02	5.87E-02	5.12E-02	4.08E-02	6.74E-04	1.02E-21	0.00E+00
AM242	6.40E-02	6.37E-02	6.34E-02	6.26E-02	6.11E-02	5.84E-02	5.10E-02	4.06E-02	6.70E-04	1.02E-21	0.00E+00
AM243	2.99E-01	2.99E-01	2.99E-01	2.99E-01	2.99E-01	2.99E-01	2.98E-01	2.96E-01	2.72E-01	1.17E-01	7.85E-11
CM242	0.00E+00	4.15E-02	5.01E-02	5.18E-02	5.06E-02	4.83E-02	4.21E-02	3.36E-02	5.54E-04	8.44E-22	0.00E+00
CF249	9.77E-05	9.77E-05	9.76E-05	9.70E-05	9.61E-05	9.42E-05	8.88E-05	8.04E-05	1.36E-05	2.54E-13	0.00E+00
Summe	7.20E+02	6.90E+02	6.60E+02	5.79E+02	4.68E+02	3.11E+02	1.15E+02	5.36E+01	1.35E+01	3.14E+00	9.08E-02

DWR mit UO ₂ /MOX-Brennstoff (90/10), 1. Rezyklierung, WA-Zeitpunkt 7A / FKS Wärmeleistung der Aktinidennuklide [W/TSM]											
	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
TL208	0.00E+00	4.01E-07	6.99E-07	1.20E-06	1.44E-06	1.41E-06	1.06E-06	6.55E-07	1.14E-10	5.24E-12	7.78E-10
BI212	0.00E+00	8.07E-07	1.41E-06	2.41E-06	2.90E-06	2.83E-06	2.13E-06	1.32E-06	2.29E-10	1.05E-11	1.57E-09
PO212	0.00E+00	1.62E-06	2.82E-06	4.83E-06	5.80E-06	5.66E-06	4.27E-06	2.64E-06	4.58E-10	2.11E-11	3.13E-09
PO216	0.00E+00	1.88E-06	3.28E-06	5.62E-06	6.75E-06	6.58E-06	4.97E-06	3.07E-06	5.32E-10	2.46E-11	3.64E-09
RN220	0.00E+00	1.80E-06	3.14E-06	5.39E-06	6.47E-06	6.32E-06	4.76E-06	2.94E-06	5.11E-10	2.35E-11	3.49E-09
RA224	0.00E+00	1.63E-06	2.84E-06	4.87E-06	5.85E-06	5.71E-06	4.30E-06	2.66E-06	4.62E-10	2.13E-11	3.16E-09
TH228	0.00E+00	1.55E-06	2.70E-06	4.64E-06	5.58E-06	5.44E-06	4.10E-06	2.54E-06	4.40E-10	2.03E-11	3.01E-09
PA233	0.00E+00	1.09E-08	2.26E-08	6.16E-08	1.38E-07	3.25E-07	1.01E-06	2.21E-06	1.34E-05	1.69E-05	1.22E-05
PA234M	0.00E+00	4.65E-06	4.65E-06	4.65E-06	4.65E-06	4.65E-06	4.65E-06	4.65E-06	4.65E-06	4.65E-06	4.66E-06
U 232	4.87E-06	5.13E-06	5.32E-06	5.61E-06	5.63E-06	5.22E-06	3.92E-06	2.42E-06	4.19E-10	0.00E+00	0.00E+00
U 234	8.08E-05	8.26E-05	8.43E-05	8.94E-05	9.76E-05	1.13E-04	1.53E-04	2.02E-04	3.02E-04	2.95E-04	4.33E-05
U 235	1.31E-06	1.31E-06	1.31E-06	1.31E-06	1.31E-06	1.31E-06	1.31E-06	1.31E-06	1.36E-06	1.79E-06	3.30E-06
U 236	2.32E-05	2.32E-05	2.33E-05	2.33E-05	2.33E-05	2.33E-05	2.34E-05	2.35E-05	2.61E-05	4.17E-05	5.00E-05
U 237	1.93E-05	3.06E-05	2.92E-05	2.53E-05	1.99E-05	1.23E-05	2.90E-06	2.61E-07	1.56E-13	8.84E-14	0.00E+00
U 238	2.38E-05	2.38E-05	2.38E-05	2.38E-05	2.38E-05	2.38E-05	2.38E-05	2.38E-05	2.38E-05	2.38E-05	2.39E-05
NP237	0.00E+00	1.41E-07	2.92E-07	7.98E-07	1.79E-06	4.20E-06	1.30E-05	2.85E-05	1.74E-04	2.18E-04	1.58E-04
NP238	0.00E+00	1.53E-06	1.53E-06	1.51E-06	1.47E-06	1.41E-06	1.23E-06	9.76E-07	1.61E-08	2.45E-26	0.00E+00
NP239	0.00E+00	7.23E-04	7.23E-04	7.23E-04	7.23E-04	7.22E-04	7.20E-04	7.16E-04	6.58E-04	2.83E-04	1.90E-13
PU238	7.09E-01	7.04E-01	6.98E-01	6.82E-01	6.56E-01	6.06E-01	4.78E-01	3.23E-01	2.83E-04	6.66E-23	0.00E+00
PU239	6.27E-02	6.27E-02	6.27E-02	6.27E-02	6.27E-02	6.27E-02	6.26E-02	6.25E-02	6.12E-02	4.85E-02	2.46E-12
PU240	1.16E-01	1.16E-01	1.16E-01	1.16E-01	1.16E-01	1.16E-01	1.16E-01	1.15E-01	1.05E-01	4.03E-02	1.85E-10
PU241	2.09E-02	1.99E-02	1.90E-02	1.64E-02	1.29E-02	7.99E-03	1.88E-03	1.70E-04	1.02E-10	5.76E-11	0.00E+00
PU242	5.56E-04	5.56E-04	5.56E-04	5.56E-04	5.56E-04	5.56E-04	5.56E-04	5.56E-04	5.55E-04	5.46E-04	9.28E-05
AM241	4.78E-01	5.13E-01	5.46E-01	6.35E-01	7.57E-01	9.21E-01	1.09E+00	1.07E+00	2.53E-01	2.00E-07	0.00E+00
AM242M	2.54E-05	2.53E-05	2.52E-05	2.48E-05	2.43E-05	2.32E-05	2.02E-05	1.61E-05	2.66E-07	4.04E-25	0.00E+00
AM242	7.44E-05	7.40E-05	7.37E-05	7.27E-05	7.10E-05	6.79E-05	5.92E-05	4.71E-05	7.79E-07	1.18E-24	0.00E+00
AM243	9.65E-03	9.65E-03	9.64E-03	9.64E-03	9.64E-03	9.63E-03	9.60E-03	9.56E-03	8.78E-03	3.77E-03	2.53E-12
CM242	0.00E+00	1.53E-03	1.85E-03	1.91E-03	1.86E-03	1.78E-03	1.55E-03	1.24E-03	2.04E-05	3.11E-23	0.00E+00
CF249	3.64E-06	3.64E-06	3.64E-06	3.62E-06	3.59E-06	3.52E-06	3.31E-06	3.00E-06	5.06E-07	9.46E-15	0.00E+00
CF250	2.48E-05	2.35E-05	2.23E-05	1.91E-05	1.46E-05	8.61E-06	1.76E-06	1.24E-07	2.44E-28	0.00E+00	0.00E+00
Summe	1.40E+00	1.43E+00	1.46E+00	1.53E+00	1.62E+00	1.73E+00	1.76E+00	1.58E+00	4.30E-01	9.42E-02	2.14E-03

DWR mit UO₂/MOX-Brennstoff (90/10), 1. Rezyklierung, WA-Zeitpunkt 7A / FKS
 Konzentrationen der Spaltproduktelemente [G/TSM]

	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
H	4.34E-02	4.10E-02	3.88E-02	3.28E-02	2.48E-02	1.41E-02	2.62E-03	1.59E-04	0.00E+00	0.00E+00	0.00E+00
C	3.80E-03	3.80E-03	3.80E-03	3.80E-03	3.79E-03	3.79E-03	3.78E-03	3.75E-03	3.37E-03	1.13E-03	0.00E+00
SE	2.61E+01	2.61E+01	2.61E+01	2.61E+01	2.61E+01	2.61E+01	2.61E+01	2.61E+01	2.61E+01	2.59E+01	2.36E+01
BR	0.00E+00	2.71E-05	5.43E-05	1.36E-04	2.71E-04	5.43E-04	1.36E-03	2.71E-03	2.70E-02	2.57E-01	2.54E+00
Y	1.06E+00	1.06E+00	1.06E+00	1.06E+00	1.06E+00	1.06E+00	1.06E+00	1.06E+00	1.06E+00	1.06E+00	1.06E+00
ZR	1.49E+03	1.49E+03	1.49E+03	1.49E+03	1.49E+03	1.49E+03	1.49E+03	1.49E+03	1.49E+03	1.49E+03	1.38E+03
NB	4.21E-03	4.35E-03	4.48E-03	4.88E-03	5.54E-03	6.86E-03	1.08E-02	1.74E-02	1.36E-01	1.32E+00	1.06E+02
MO	2.03E+03	2.03E+03	2.03E+03	2.03E+03	2.03E+03	2.03E+03	2.03E+03	2.03E+03	2.03E+03	2.03E+03	2.03E+03
TC	1.83E+02	1.83E+02	1.83E+02	1.83E+02	1.83E+02	1.83E+02	1.83E+02	1.83E+02	1.82E+02	1.77E+02	7.06E+00
RU	1.64E+03	1.64E+03	1.64E+03	1.64E+03	1.64E+03	1.64E+03	1.64E+03	1.64E+03	1.64E+03	1.65E+03	1.82E+03
RH	2.80E+02	2.80E+02	2.80E+02	2.80E+02	2.80E+02	2.80E+02	2.80E+02	2.80E+02	2.80E+02	2.80E+02	2.80E+02
PD	3.59E+02	3.59E+02	3.60E+02	3.60E+02	3.60E+02	3.60E+02	3.60E+02	3.60E+02	3.60E+02	3.60E+02	3.54E+02
AG	7.92E+01	7.92E+01	7.92E+01	7.92E+01	7.92E+01	7.92E+01	7.92E+01	7.92E+01	7.92E+01	7.93E+01	8.46E+01
CD	2.11E+01	2.11E+01	2.11E+01	2.11E+01	2.11E+01	2.11E+01	2.11E+01	2.11E+01	2.11E+01	2.11E+01	2.11E+01
IN	0.00E+00	1.57E-03	3.07E-03	7.15E-03	1.28E-02	2.08E-02	3.07E-02	3.35E-02	3.38E-02	3.38E-02	3.38E-02
SN	4.83E+01	4.83E+01	4.83E+01	4.83E+01	4.83E+01	4.83E+01	4.83E+01	4.82E+01	4.81E+01	4.69E+01	2.85E+01
SB	1.20E+01	1.16E+01	1.13E+01	1.07E+01	1.03E+01	1.02E+01	1.02E+01	1.02E+01	1.02E+01	1.02E+01	1.02E+01
TE	2.28E+02	2.28E+02	2.29E+02	2.29E+02	2.30E+02	2.30E+02	2.30E+02	2.30E+02	2.30E+02	2.31E+02	2.50E+02
I	0.00E+00	5.12E-08	5.63E-08	5.68E-08	5.68E-08	5.68E-08	5.68E-08	5.68E-08	5.68E-08	5.68E-08	5.68E-08
Summe	6.39E+03	6.39E+03	6.39E+03	6.39E+03	6.39E+03	6.39E+03	6.39E+03	6.39E+03	6.39E+03	6.39E+03	6.39E+03

DWR mit UO ₂ /MOX-Brennstoff (90/10), 1. Rezyklierung, WA-Zeitpunkt 7A / FKS												
Radioaktivität der Spaltprodukt nuklide [Ci/TSM]												
ZEITEN NACH DER WIEDERAUFARBEITUNG [A]												
		0	1	2	5	10	20	50	100	1000	10000	1000000
H 3		4.19E+02	3.96E+02	3.74E+02	3.16E+02	2.39E+02	1.36E+02	2.53E+01	1.53E+00	0.00E+00	0.00E+00	0.00E+00
C 14		1.69E-02	1.69E-02	1.69E-02	1.69E-02	1.69E-02	1.69E-02	1.68E-02	1.67E-02	1.50E-02	5.05E-03	0.00E+00
SE 79		1.77E-01	1.77E-01	1.77E-01	1.77E-01	1.77E-01	1.77E-01	1.77E-01	1.77E-01	1.75E-01	1.59E-01	4.13E-06
ZR 93		7.34E-01	7.34E-01	7.34E-01	7.34E-01	7.34E-01	7.34E-01	7.34E-01	7.34E-01	7.34E-01	7.31E-01	4.67E-01
NB 93M		6.70E-01	6.72E-01	6.73E-01	6.76E-01	6.81E-01	6.88E-01	6.95E-01	6.97E-01	6.97E-01	6.94E-01	4.44E-01
NB 94		2.09E-04	2.09E-04	2.09E-04	2.09E-04	2.09E-04	2.08E-04	2.08E-04	2.08E-04	2.02E-04	1.48E-04	3.12E-19
NB 95M		1.16E-08	8.15E-11	1.56E-12	1.09E-17	2.81E-26	1.85E-43	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TC 99		3.10E+00	3.10E+00	3.10E+00	3.10E+00	3.10E+00	3.10E+00	3.10E+00	3.10E+00	3.09E+00	3.00E+00	1.20E-01
RU106		3.21E+03	1.62E+03	8.12E+02	1.03E+02	3.32E+00	3.44E-03	3.80E-12	4.48E-27	0.00E+00	0.00E+00	0.00E+00
RH106		2.68E+03	1.62E+03	8.12E+02	1.03E+02	3.32E+00	3.44E-03	3.80E-12	4.48E-27	0.00E+00	0.00E+00	0.00E+00
PD107		2.77E-02	2.77E-02	2.77E-02	2.77E-02	2.77E-02	2.77E-02	2.77E-02	2.77E-02	2.76E-02	2.76E-02	2.49E-02
AG108		3.17E-06	3.15E-06	3.14E-06	3.09E-06	3.00E-06	2.84E-06	2.41E-06	1.84E-06	1.35E-08	6.38E-30	0.00E+00
AG108M		3.56E-05	3.54E-05	3.52E-05	3.47E-05	3.37E-05	3.19E-05	2.71E-05	2.06E-05	1.52E-07	7.17E-29	0.00E+00
AG109M		3.97E-07	4.84E-08	2.81E-08	5.46E-09	3.57E-10	1.53E-12	1.20E-19	1.71E-31	0.00E+00	0.00E+00	0.00E+00
AG110		5.02E-02	1.82E-02	6.62E-03	3.17E-04	2.01E-06	8.01E-11	5.09E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00
AG110M		3.77E+00	1.37E+00	4.98E-01	2.38E-02	1.51E-04	6.02E-09	3.82E-22	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CD109		8.36E-08	4.84E-08	2.81E-08	5.46E-09	3.57E-10	1.53E-12	1.20E-19	1.71E-31	0.00E+00	0.00E+00	0.00E+00
CD113M		7.35E+00	7.01E+00	6.68E+00	5.80E+00	4.57E+00	2.84E+00	6.84E-01	6.36E-02	1.73E-20	0.00E+00	0.00E+00
SN119M		8.55E-02	3.04E-02	1.08E-02	4.88E-04	2.79E-06	9.11E-11	3.17E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SN121M		1.52E-01	1.50E-01	1.48E-01	1.42E-01	1.32E-01	1.15E-01	7.59E-02	3.80E-02	1.44E-07	0.00E+00	0.00E+00
SN123		2.16E-03	3.05E-04	4.30E-05	1.21E-07	6.71E-12	2.07E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SN126		5.63E-01	5.63E-01	5.63E-01	5.63E-01	5.63E-01	5.63E-01	5.62E-01	5.62E-01	5.59E-01	5.25E-01	5.44E-04
SB124		1.60E-10	2.39E-12	3.57E-14	1.19E-19	8.80E-29	4.82E-47	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SB125		1.92E+03	1.49E+03	1.16E+03	5.47E+02	1.56E+02	1.27E+01	6.79E-03	2.40E-08	0.00E+00	0.00E+00	0.00E+00
SB126		9.35E-02	7.88E-02	7.88E-02	7.88E-02	7.88E-02	7.88E-02	7.87E-02	7.87E-02	7.82E-02	7.35E-02	7.71E-05
SB126M		6.68E-01	5.63E-01	5.63E-01	5.63E-01	5.63E-01	5.63E-01	5.62E-01	5.62E-01	5.59E-01	5.25E-01	5.51E-04
TE123M		1.96E-06	2.36E-07	2.85E-08	5.00E-11	1.28E-15	8.35E-25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TE125M		1.97E+02	3.61E+02	2.84E+02	1.34E+02	3.81E+01	3.09E+00	1.66E-03	5.86E-09	0.00E+00	0.00E+00	0.00E+00
TE127		5.23E-04	5.13E-05	5.03E-06	4.75E-09	4.31E-14	3.55E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TE127M		5.34E-04	5.24E-05	5.14E-06	4.85E-09	4.40E-14	3.62E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Summe		8.59E+03	5.50E+03	3.46E+03	1.22E+03	4.50E+02	1.61E+02	3.20E+01	7.59E+00	5.93E+00	5.74E+00	1.06E+00

DWR mit UO₂/MOX-Brennstoff (90/10), 1. Rezyklierung, WA-Zeitpunkt 7A / FKS
 Wärmeleistung der Spaltprodukt nuklide [W/TSM]

		ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
		0	1	2	5	10	20	50	100	1000	10000	1000000
H	3	1.42E-02	1.34E-02	1.26E-02	1.07E-02	8.07E-03	4.61E-03	8.55E-04	5.17E-05	0.00E+00	0.00E+00	0.00E+00
C	14	4.97E-06	4.97E-06	4.97E-06	4.97E-06	4.96E-06	4.96E-06	4.94E-06	4.91E-06	4.40E-06	1.48E-06	0.00E+00
SE	79	4.41E-05	4.41E-05	4.41E-05	4.41E-05	4.41E-05	4.41E-05	4.41E-05	4.41E-05	4.37E-05	3.97E-05	1.03E-09
ZR	93	8.53E-05	8.53E-05	8.53E-05	8.53E-05	8.53E-05	8.53E-05	8.53E-05	8.53E-05	8.53E-05	8.49E-05	5.42E-05
ZR	95	2.91E-09	5.57E-11	1.07E-12	7.47E-18	1.92E-26	1.27E-43	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NB	93M	1.19E-04	1.19E-04	1.19E-04	1.20E-04	1.21E-04	1.22E-04	1.23E-04	1.24E-04	1.24E-04	1.23E-04	7.86E-05
NB	94	2.13E-06	2.13E-06	2.13E-06	2.13E-06	2.13E-06	2.12E-06	2.12E-06	2.12E-06	2.05E-06	1.51E-06	3.17E-21
NB	95	1.72E-08	1.29E-10	2.33E-12	1.57E-17	4.03E-26	2.66E-43	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TC	99	1.55E-03	1.55E-03	1.55E-03	1.55E-03	1.55E-03	1.55E-03	1.55E-03	1.55E-03	1.55E-03	1.50E-03	6.00E-05
RU106		1.90E-01	9.58E-02	4.82E-02	6.12E-03	1.97E-04	2.04E-07	2.25E-16	2.66E-31	0.00E+00	0.00E+00	0.00E+00
RH106		2.57E+01	1.55E+01	7.79E+00	9.91E-01	3.18E-02	3.30E-05	3.65E-14	4.30E-29	0.00E+00	0.00E+00	0.00E+00
PD107		1.64E-06	1.64E-06	1.64E-06	1.64E-06	1.64E-06	1.64E-06	1.64E-06	1.64E-06	1.64E-06	1.64E-06	1.47E-06
AG108		1.18E-08	1.18E-08	1.17E-08	1.15E-08	1.12E-08	1.06E-08	8.99E-09	6.85E-09	5.05E-11	2.38E-32	0.00E+00
AG108M		3.47E-07	3.45E-07	3.43E-07	3.37E-07	3.28E-07	3.11E-07	2.64E-07	2.01E-07	1.48E-09	6.97E-31	0.00E+00
AG109M		2.05E-10	2.50E-11	1.45E-11	2.82E-12	1.84E-13	7.89E-16	6.16E-23	8.80E-35	0.00E+00	0.00E+00	0.00E+00
AG110		3.61E-04	1.31E-04	4.76E-05	2.28E-06	1.44E-08	5.75E-13	3.65E-26	0.00E+00	0.00E+00	0.00E+00	0.00E+00
AG110M		6.30E-02	2.29E-02	8.31E-03	3.98E-04	2.52E-06	1.01E-10	6.38E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CD109		5.32E-11	3.08E-11	1.79E-11	3.48E-12	2.27E-13	9.74E-16	7.61E-23	1.09E-34	0.00E+00	0.00E+00	0.00E+00
CD113M		1.24E-02	1.18E-02	1.13E-02	9.76E-03	7.69E-03	4.78E-03	1.15E-03	1.07E-04	2.91E-23	0.00E+00	0.00E+00
SN119M		4.42E-05	1.57E-05	5.60E-06	2.52E-07	1.44E-09	4.71E-14	1.64E-27	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SN121M		3.04E-04	3.00E-04	2.96E-04	2.84E-04	2.65E-04	2.31E-04	1.52E-04	7.60E-05	2.89E-10	0.00E+00	0.00E+00
SN123		6.76E-06	9.52E-07	1.34E-07	3.77E-10	2.10E-14	6.47E-23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SN126		7.02E-04	7.02E-04	7.02E-04	7.02E-04	7.02E-04	7.02E-04	7.01E-04	7.01E-04	6.97E-04	6.55E-04	6.78E-07
SB125		6.01E+00	4.67E+00	3.63E+00	1.71E+00	4.88E-01	3.96E-02	2.12E-05	7.51E-11	0.00E+00	0.00E+00	0.00E+00
SB126		1.73E-03	1.46E-03	1.46E-03	1.46E-03	1.46E-03	1.46E-03	1.45E-03	1.45E-03	1.45E-03	1.36E-03	1.42E-06
SB126M		8.51E-03	7.16E-03	7.16E-03	7.16E-03	7.16E-03	7.16E-03	7.16E-03	7.16E-03	7.11E-03	6.68E-03	7.01E-06
TE123M		2.85E-09	3.44E-10	4.15E-11	7.29E-14	1.86E-18	1.22E-27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TE125M		1.66E-01	3.04E-01	2.38E-01	1.12E-01	3.20E-02	2.60E-03	1.39E-06	4.93E-12	0.00E+00	0.00E+00	0.00E+00
TE127		7.07E-07	6.93E-08	6.80E-09	6.41E-12	5.82E-17	4.79E-27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TE127M		2.87E-07	2.82E-08	2.76E-09	2.61E-12	2.36E-17	1.95E-27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Summe		3.29E+01	2.06E+01	1.18E+01	2.85E+00	5.79E-01	6.30E-02	1.33E-02	1.14E-02	1.11E-02	1.05E-02	2.03E-04

DWR mit UO₂/MOX-Brennstoff (90/10), 1. Rezyklierung, WA-Zeitpunkt 7A / Brennelementfertigung
Radioaktivität der Aktinidennuklide [Ci/TSM]

	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
TL208	0.00E+00	1.11E-04	1.90E-04	3.11E-04	3.58E-04	3.40E-04	2.56E-04	1.58E-04	2.74E-08	1.18E-09	1.43E-07
PB212	0.00E+00	3.10E-04	5.30E-04	8.66E-04	9.96E-04	9.48E-04	7.12E-04	4.40E-04	7.64E-08	3.29E-09	3.99E-07
BI212	0.00E+00	3.10E-04	5.30E-04	8.66E-04	9.96E-04	9.48E-04	7.12E-04	4.40E-04	7.64E-08	3.29E-09	3.99E-07
PO212	0.00E+00	1.99E-04	3.39E-04	5.55E-04	6.39E-04	6.07E-04	4.57E-04	2.82E-04	4.90E-08	2.11E-09	2.56E-07
PO216	0.00E+00	3.10E-04	5.30E-04	8.66E-04	9.96E-04	9.48E-04	7.12E-04	4.40E-04	7.64E-08	3.29E-09	3.99E-07
RN220	0.00E+00	3.10E-04	5.30E-04	8.66E-04	9.96E-04	9.48E-04	7.12E-04	4.40E-04	7.64E-08	3.29E-09	3.99E-07
RA224	0.00E+00	3.10E-04	5.30E-04	8.66E-04	9.96E-04	9.48E-04	7.12E-04	4.40E-04	7.64E-08	3.29E-09	3.99E-07
TH227	0.00E+00	1.03E-10	4.09E-10	2.48E-09	9.42E-09	3.41E-08	1.64E-07	4.58E-07	6.53E-06	6.32E-05	4.72E-04
TH228	0.00E+00	3.10E-04	5.28E-04	8.66E-04	9.96E-04	9.48E-04	7.12E-04	4.40E-04	7.64E-08	3.29E-09	3.99E-07
TH230	0.00E+00	1.69E-07	3.40E-07	8.58E-07	1.75E-06	3.62E-06	9.86E-06	2.20E-05	3.21E-04	3.15E-03	9.10E-03
TH231	0.00E+00	3.14E-04	3.14E-04	3.14E-04	3.14E-04	3.14E-04	3.14E-04	3.14E-04	3.19E-04	3.55E-04	4.79E-04
TH234	0.00E+00	6.28E-03	6.28E-03	6.28E-03	6.28E-03	6.28E-03	6.28E-03	6.28E-03	6.28E-03	6.28E-03	6.28E-03
PA231	0.00E+00	6.64E-09	1.33E-08	3.32E-08	6.65E-08	1.33E-07	3.32E-07	6.64E-07	6.62E-06	6.41E-05	4.79E-04
PA233	0.00E+00	4.29E-07	1.66E-06	9.80E-06	3.61E-05	1.24E-04	5.30E-04	1.30E-03	8.68E-03	1.09E-02	7.93E-03
PA234M	0.00E+00	6.28E-03	6.28E-03	6.28E-03	6.28E-03	6.28E-03	6.28E-03	6.28E-03	6.28E-03	6.28E-03	6.28E-03
PA234	0.00E+00	8.16E-06	8.16E-06	8.16E-06	8.16E-06	8.16E-06	8.16E-06	8.16E-06	8.16E-06	8.16E-06	8.16E-06
U 232	1.01E-03	1.02E-03	1.03E-03	1.04E-03	1.01E-03	9.25E-04	6.93E-04	4.28E-04	7.41E-08	0.00E+00	0.00E+00
U 233	1.64E-06	1.64E-06	1.64E-06	1.64E-06	1.64E-06	1.65E-06	1.69E-06	1.89E-06	2.49E-05	4.46E-04	8.41E-03
U 234	1.87E-02	1.89E-02	1.90E-02	1.94E-02	2.01E-02	2.14E-02	2.47E-02	2.88E-02	3.71E-02	3.63E-02	8.09E-03
U 235	3.14E-04	3.14E-04	3.14E-04	3.14E-04	3.14E-04	3.14E-04	3.14E-04	3.14E-04	3.19E-04	3.55E-04	4.79E-04
U 236	5.72E-03	5.72E-03	5.72E-03	5.72E-03	5.72E-03	5.73E-03	5.73E-03	5.75E-03	5.97E-03	7.35E-03	7.98E-03
U 237	6.79E-02	3.88E-02	3.70E-02	3.20E-02	2.52E-02	1.56E-02	3.67E-03	3.31E-04	5.12E-23	2.63E-51	0.00E+00
U 238	6.28E-03	6.28E-03	6.28E-03	6.28E-03	6.28E-03	6.28E-03	6.28E-03	6.28E-03	6.28E-03	6.28E-03	6.28E-03
NP237	0.00E+00	4.29E-07	1.66E-06	9.80E-06	3.61E-05	1.24E-04	5.30E-04	1.30E-03	8.68E-03	1.09E-02	7.93E-03
PU238	5.14E+01	5.09E+01	5.05E+01	4.94E+01	4.75E+01	4.38E+01	3.46E+01	2.33E+01	1.91E-02	0.00E+00	0.00E+00
PU239	4.84E+00	4.84E+00	4.84E+00	4.84E+00	4.84E+00	4.84E+00	4.83E+00	4.83E+00	4.70E+00	3.63E+00	1.51E-12
PU240	8.96E+00	8.96E+00	8.96E+00	8.95E+00	8.95E+00	8.94E+00	8.91E+00	8.86E+00	8.06E+00	3.10E+00	1.42E-08
PU241	1.63E+03	1.55E+03	1.48E+03	1.28E+03	1.01E+03	6.22E+02	1.47E+02	1.32E+01	2.04E-18	1.05E-46	0.00E+00
PU242	4.52E-02	4.52E-02	4.52E-02	4.52E-02	4.52E-02	4.52E-02	4.52E-02	4.52E-02	4.51E-02	4.44E-02	7.54E-03
AM241	0.00E+00	2.55E+00	4.97E+00	1.16E+01	2.05E+01	3.29E+01	4.67E+01	4.73E+01	1.13E+01	6.11E-06	0.00E+00
Summe	1.69E+03	1.62E+03	1.55E+03	1.35E+03	1.09E+03	7.12E+02	2.42E+02	9.77E+01	2.42E+01	6.89E+00	2.30E-01

DWR mit UO ₂ /MOX-Brennstoff (90/10), 1. Rezyklierung, WA-Zeitpunkt 7A / Brennelementfertigung												
Wärmeleistung der Aktinidennuklide [W/TSM]												
	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]											
	0	1	2	5	10	20	50	100	1000	10000	1000000	
TL208	0.00E+00	2.62E-06	4.47E-06	7.32E-06	8.42E-06	8.01E-06	6.02E-06	3.72E-06	6.45E-10	2.78E-11	3.37E-09	
PB212	0.00E+00	5.90E-07	1.01E-06	1.65E-06	1.90E-06	1.80E-06	1.36E-06	8.38E-07	1.45E-10	6.27E-12	7.59E-10	
BI212	0.00E+00	5.27E-06	9.01E-06	1.47E-05	1.69E-05	1.61E-05	1.21E-05	7.49E-06	1.30E-09	5.60E-11	6.78E-09	
PO212	0.00E+00	1.05E-05	1.80E-05	2.95E-05	3.39E-05	3.22E-05	2.42E-05	1.50E-05	2.60E-09	1.12E-10	1.36E-08	
PO216	0.00E+00	1.23E-05	2.10E-05	3.43E-05	3.94E-05	3.75E-05	2.82E-05	1.74E-05	3.02E-09	1.30E-10	1.58E-08	
RN220	0.00E+00	1.18E-05	2.01E-05	3.29E-05	3.78E-05	3.60E-05	2.70E-05	1.67E-05	2.90E-09	1.25E-10	1.51E-08	
RA224	0.00E+00	1.06E-05	1.82E-05	2.97E-05	3.42E-05	3.25E-05	2.44E-05	1.51E-05	2.62E-09	1.13E-10	1.37E-08	
TH227	0.00E+00	3.76E-12	1.49E-11	9.03E-11	3.43E-10	1.24E-09	5.96E-09	1.67E-08	2.38E-07	2.30E-06	1.72E-05	
TH228	0.00E+00	1.01E-05	1.73E-05	2.83E-05	3.26E-05	3.10E-05	2.33E-05	1.44E-05	2.50E-09	1.08E-10	1.30E-08	
TH230	0.00E+00	4.78E-09	9.60E-09	2.43E-08	4.94E-08	1.02E-07	2.79E-07	6.21E-07	9.08E-06	8.91E-05	2.57E-04	
TH231	0.00E+00	1.76E-07	1.76E-07	1.76E-07	1.76E-07	1.76E-07	1.76E-07	1.76E-07	1.79E-07	1.99E-07	2.69E-07	
TH234	0.00E+00	2.55E-06	2.55E-06	2.55E-06	2.55E-06	2.55E-06	2.55E-06	2.55E-06	2.55E-06	2.55E-06	2.55E-06	
PA231	0.00E+00	2.03E-10	4.06E-10	1.01E-09	2.03E-09	4.05E-09	1.01E-08	2.03E-08	2.02E-07	1.96E-06	1.46E-05	
PA233	0.00E+00	9.73E-10	3.77E-09	2.22E-08	8.20E-08	2.82E-07	1.20E-06	2.96E-06	1.97E-05	2.48E-05	1.80E-05	
PA234M	0.00E+00	3.10E-05	3.10E-05	3.10E-05	3.10E-05	3.10E-05	3.10E-05	3.10E-05	3.10E-05	3.10E-05	3.10E-05	
PA234	0.00E+00	1.17E-07	1.17E-07	1.17E-07	1.17E-07	1.17E-07	1.17E-07	1.17E-07	1.17E-07	1.17E-07	1.17E-07	
U 232	3.25E-05	3.29E-05	3.31E-05	3.33E-05	3.24E-05	2.97E-05	2.23E-05	1.38E-05	2.38E-09	0.00E+00	0.00E+00	
U 233	4.78E-08	4.78E-08	4.78E-08	4.78E-08	4.78E-08	4.79E-08	4.91E-08	5.49E-08	7.23E-07	1.30E-05	2.45E-04	
U 234	5.39E-04	5.43E-04	5.47E-04	5.59E-04	5.79E-04	6.16E-04	7.12E-04	8.28E-04	1.07E-03	1.04E-03	2.33E-04	
U 235	8.71E-06	8.71E-06	8.71E-06	8.71E-06	8.71E-06	8.71E-06	8.71E-06	8.72E-06	8.84E-06	9.85E-06	1.33E-05	
U 236	1.55E-04	1.55E-04	1.55E-04	1.55E-04	1.55E-04	1.55E-04	1.55E-04	1.56E-04	1.62E-04	1.99E-04	2.16E-04	
U 237	1.29E-04	7.35E-05	7.00E-05	6.06E-05	4.77E-05	2.94E-05	6.95E-06	6.27E-07	9.68E-26	4.98E-54	0.00E+00	
U 238	1.59E-04	1.59E-04	1.59E-04	1.59E-04	1.59E-04	1.59E-04	1.59E-04	1.59E-04	1.59E-04	1.59E-04	1.59E-04	
NP237	0.00E+00	1.26E-08	4.88E-08	2.88E-07	1.06E-06	3.66E-06	1.56E-05	3.83E-05	2.55E-04	3.21E-04	2.33E-04	
PU238	1.70E+00	1.69E+00	1.68E+00	1.64E+00	1.57E+00	1.45E+00	1.15E+00	7.73E-01	6.33E-04	0.00E+00	0.00E+00	
PU239	1.50E-01	1.50E-01	1.50E-01	1.50E-01	1.50E-01	1.50E-01	1.50E-01	1.50E-01	1.46E-01	1.13E-01	4.69E-14	
PU240	2.79E-01	2.79E-01	2.79E-01	2.79E-01	2.79E-01	2.78E-01	2.78E-01	2.76E-01	2.51E-01	9.67E-02	4.43E-10	
PU241	5.02E-02	4.78E-02	4.56E-02	3.94E-02	3.10E-02	1.92E-02	4.52E-03	4.08E-04	6.30E-23	3.24E-51	0.00E+00	
PU242	1.33E-03	1.33E-03	1.33E-03	1.33E-03	1.33E-03	1.33E-03	1.33E-03	1.33E-03	1.33E-03	1.33E-03	2.23E-04	
AM241	0.00E+00	8.51E-02	1.66E-01	3.86E-01	6.86E-01	1.10E+00	1.56E+00	1.58E+00	3.77E-01	2.04E-07	0.00E+00	
Summe	2.18E+00	2.25E+00	2.32E+00	2.49E+00	2.72E+00	3.00E+00	3.14E+00	2.78E+00	7.78E-01	2.13E-01	5.23E-03	

DWR mit UO₂/MOX-Brennstoff (90/10), 1. Rezyklierung, WA-Zeitpunkt 7A / Summe der Abfallströme
 Konzentrationen der Aktinidenelemente [G/TSM]

	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
HE	1.93E+00	1.99E+00	2.06E+00	2.23E+00	2.49E+00	2.94E+00	3.84E+00	4.79E+00	1.22E+01	1.86E+01	5.91E+01
TL	4.98E-11	3.52E-11	2.51E-11	9.62E-12	3.05E-12	1.71E-12	1.32E-12	8.85E-13	1.99E-13	1.22E-12	3.98E-11
PB	6.56E-05	7.96E-05	8.94E-05	1.05E-04	1.14E-04	1.21E-04	1.35E-04	1.51E-04	2.08E-04	7.86E-03	1.09E+01
BI	3.43E-09	2.68E-09	2.17E-09	1.50E-09	1.47E-09	2.12E-09	5.39E-09	1.85E-08	1.39E-05	1.67E-02	2.24E+02
PO	2.59E-12	3.42E-12	4.44E-12	8.60E-12	2.01E-11	5.13E-11	2.02E-10	5.65E-10	2.75E-08	9.61E-07	2.97E-06
AT	9.86E-20	9.88E-20	9.90E-20	1.01E-19	1.05E-19	1.21E-19	2.30E-19	6.22E-19	6.71E-17	7.30E-15	3.88E-13
RN	4.52E-11	3.24E-11	2.36E-11	1.04E-11	5.58E-12	6.43E-12	1.27E-11	2.50E-11	8.03E-10	2.81E-08	8.66E-08
FR	3.19E-15	3.45E-15	3.69E-15	4.40E-15	5.45E-15	7.20E-15	1.09E-14	1.59E-14	6.23E-13	6.63E-11	3.53E-09
RA	3.99E-07	3.55E-07	3.33E-07	3.47E-07	4.70E-07	7.84E-07	1.81E-06	3.79E-06	1.25E-04	4.37E-03	1.35E-02
AC	8.78E-08	9.74E-08	1.07E-07	1.33E-07	1.72E-07	2.33E-07	3.35E-07	3.90E-07	5.10E-07	1.77E-06	2.71E-05
TH	4.68E-03	4.66E-03	4.67E-03	4.70E-03	4.77E-03	4.93E-03	5.47E-03	6.55E-03	3.58E-02	3.80E-01	1.11E+01
PA	6.23E-04	6.23E-04	6.24E-04	6.24E-04	6.25E-04	6.27E-04	6.33E-04	6.43E-04	8.12E-04	2.43E-03	2.50E-02
U	2.49E+04	2.49E+04	2.49E+04	2.49E+04	2.49E+04	2.49E+04	2.49E+04	2.49E+04	2.49E+04	2.50E+04	2.54E+04
NP	5.34E+02	5.34E+02	5.35E+02	5.38E+02	5.43E+02	5.52E+02	5.80E+02	6.24E+02	1.02E+03	1.15E+03	8.35E+02
PU	2.83E+02	2.85E+02	2.86E+02	2.89E+02	2.95E+02	3.04E+02	3.17E+02	3.23E+02	3.22E+02	2.99E+02	4.66E+00
AM	8.11E+02	8.11E+02	8.11E+02	8.12E+02	8.12E+02	8.10E+02	7.90E+02	7.46E+02	3.21E+02	8.39E+01	1.89E-05
CM	8.67E+01	8.38E+01	8.11E+01	7.35E+01	6.27E+01	4.63E+01	2.23E+01	1.27E+01	9.94E+00	3.86E+00	4.08E-02
BK	8.41E-08	3.81E-08	1.73E-08	1.61E-09	3.09E-11	1.13E-14	2.59E-19	2.59E-19	2.50E-19	1.74E-19	1.31E-36
CF	3.10E-05	3.07E-05	3.03E-05	2.93E-05	2.79E-05	2.60E-05	2.30E-05	2.05E-05	3.73E-06	4.00E-10	4.67E-32
Summe	2.66E+04	2.66E+04	2.66E+04	2.66E+04	2.66E+04	2.66E+04	2.66E+04	2.66E+04	2.66E+04	2.66E+04	2.66E+04

DWR mit UO ₂ /MOX-Brennstoff (90/10), 1. Rezyklierung, WA-Zeitpunkt 7A / Summe der Abfallströme Radioaktivität der Aktinidennuklide [Ci/TSM]												
	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]											
	0	1	2	5	10	20	50	100	1000	10000	1000000	
RN220	4.08E-02	2.89E-02	2.05E-02	7.85E-03	2.45E-03	1.33E-03	9.79E-04	6.05E-04	4.20E-07	3.19E-07	1.01E-06	
RA224	4.08E-02	2.89E-02	2.05E-02	7.85E-03	2.45E-03	1.33E-03	9.79E-04	6.05E-04	4.20E-07	3.19E-07	1.01E-06	
TH228	4.07E-02	2.87E-02	2.04E-02	7.82E-03	2.44E-03	1.33E-03	9.79E-04	6.05E-04	4.20E-07	3.19E-07	1.01E-06	
TH231	1.57E-02	4.13E-04	4.13E-04	4.13E-04	4.13E-04	4.13E-04	4.13E-04	4.14E-04	4.22E-04	5.34E-04	1.18E-03	
TH234	3.14E-01	8.26E-03	8.26E-03	8.26E-03	8.26E-03	8.26E-03	8.26E-03	8.26E-03	8.26E-03	8.26E-03	8.26E-03	
PA233	3.76E-01	3.77E-01	3.78E-01	3.80E-01	3.83E-01	3.90E-01	4.09E-01	4.40E-01	7.23E-01	8.10E-01	5.89E-01	
PA234M	3.14E-01	8.26E-03	8.26E-03	8.26E-03	8.26E-03	8.26E-03	8.26E-03	8.26E-03	8.26E-03	8.26E-03	8.26E-03	
U 232	1.33E-03	1.36E-03	1.38E-03	1.41E-03	1.38E-03	1.27E-03	9.53E-04	5.89E-04	4.17E-07	3.13E-07	1.84E-07	
U 234	2.46E-02	2.49E-02	2.52E-02	2.60E-02	2.73E-02	2.98E-02	3.63E-02	4.45E-02	6.44E-02	6.31E-02	1.16E-02	
U 235	4.13E-04	4.13E-04	4.13E-04	4.13E-04	4.13E-04	4.13E-04	4.13E-04	4.14E-04	4.22E-04	5.34E-04	1.18E-03	
U 236	7.52E-03	7.52E-03	7.52E-03	7.53E-03	7.53E-03	7.54E-03	7.56E-03	7.61E-03	8.46E-03	1.37E-02	1.65E-02	
U 237	8.93E-02	7.44E-02	7.09E-02	6.14E-02	4.83E-02	2.98E-02	7.06E-03	6.60E-04	2.37E-05	1.14E-05	0.00E+00	
U 238	8.26E-03	8.26E-03	8.26E-03	8.26E-03	8.26E-03	8.26E-03	8.26E-03	8.26E-03	8.26E-03	8.26E-03	8.26E-03	
NP237	3.76E-01	3.77E-01	3.78E-01	3.80E-01	3.83E-01	3.90E-01	4.09E-01	4.40E-01	7.23E-01	8.10E-01	5.89E-01	
NP238	4.59E-02	4.57E-02	4.55E-02	4.49E-02	4.39E-02	4.19E-02	3.66E-02	2.91E-02	4.81E-04	7.30E-22	0.00E+00	
NP239	4.27E+01	4.27E+01	4.27E+01	4.27E+01	4.27E+01	4.27E+01	4.25E+01	4.23E+01	3.89E+01	1.67E+01	3.77E-06	
PU238	9.84E+01	9.77E+01	9.70E+01	9.49E+01	9.15E+01	8.51E+01	6.85E+01	4.79E+01	1.19E-01	2.87E-19	0.00E+00	
PU239	9.28E+00	9.28E+00	9.28E+00	9.29E+00	9.30E+00	9.31E+00	9.36E+00	9.41E+00	1.02E+01	1.38E+01	3.77E-06	
PU240	1.72E+01	1.78E+01	1.84E+01	2.01E+01	2.25E+01	2.61E+01	3.13E+01	3.33E+01	3.06E+01	1.18E+01	5.38E-08	
PU241	3.12E+03	2.97E+03	2.83E+03	2.45E+03	1.93E+03	1.19E+03	2.82E+02	2.64E+01	9.47E-01	4.55E-01	0.00E+00	
PU242	8.66E-02	8.66E-02	8.66E-02	8.66E-02	8.67E-02	8.67E-02	8.69E-02	8.71E-02	8.97E-02	1.00E-01	1.78E-02	
AM241	2.04E+03	2.05E+03	2.05E+03	2.05E+03	2.05E+03	2.04E+03	1.98E+03	1.83E+03	4.34E+02	4.55E-01	0.00E+00	
AM242M	9.19E+00	9.15E+00	9.11E+00	8.98E+00	8.78E+00	8.39E+00	7.32E+00	5.82E+00	9.62E-02	1.46E-19	0.00E+00	
AM242	9.14E+00	9.10E+00	9.06E+00	8.94E+00	8.74E+00	8.35E+00	7.28E+00	5.80E+00	9.58E-02	1.45E-19	0.00E+00	
AM243	4.27E+01	4.27E+01	4.27E+01	4.27E+01	4.27E+01	4.27E+01	4.25E+01	4.23E+01	3.89E+01	1.67E+01	3.77E-06	
CM242	9.19E+00	7.88E+00	7.58E+00	7.41E+00	7.23E+00	6.90E+00	6.02E+00	4.79E+00	7.92E-02	1.20E-19	0.00E+00	
CM243	3.78E+01	3.69E+01	3.60E+01	3.35E+01	2.96E+01	2.32E+01	1.12E+01	3.32E+00	1.04E-09	0.00E+00	0.00E+00	
CM244	6.06E+03	5.83E+03	5.61E+03	5.00E+03	4.13E+03	2.82E+03	8.94E+02	1.32E+02	1.46E-13	0.00E+00	0.00E+00	
CM245	1.03E+00	1.03E+00	1.03E+00	1.03E+00	1.02E+00	1.02E+00	1.02E+00	1.02E+00	9.45E-01	4.54E-01	0.00E+00	
CM246	1.56E+00	1.56E+00	1.56E+00	1.56E+00	1.56E+00	1.56E+00	1.55E+00	1.54E+00	1.35E+00	3.61E-01	7.01E-30	
Summe	1.15E+04	1.11E+04	1.08E+04	9.78E+03	8.38E+03	6.31E+03	3.38E+03	2.19E+03	5.58E+02	6.27E+01	7.02E+00	

DWR mit UO₂/MOX-Brennstoff (90/10), 1. Rezyklierung, WA-Zeitpunkt 7A / Summe der Abfallströme
Wärmeleistung der Aktinidennuklide [W/TSM]

	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
BI212	6.94E-04	4.91E-04	3.49E-04	1.34E-04	4.17E-05	2.26E-05	1.66E-05	1.03E-05	7.14E-09	5.42E-09	1.71E-08
PO212	1.39E-03	9.83E-04	6.98E-04	2.67E-04	8.34E-05	4.52E-05	3.33E-05	2.06E-05	1.43E-08	1.08E-08	3.43E-08
PO216	1.62E-03	1.14E-03	8.12E-04	3.11E-04	9.70E-05	5.26E-05	3.87E-05	2.39E-05	1.66E-08	1.26E-08	3.99E-08
RN220	1.55E-03	1.10E-03	7.79E-04	2.98E-04	9.30E-05	5.05E-05	3.72E-05	2.30E-05	1.59E-08	1.21E-08	3.83E-08
RA224	1.40E-03	9.91E-04	7.04E-04	2.69E-04	8.41E-05	4.56E-05	3.36E-05	2.08E-05	1.44E-08	1.09E-08	3.46E-08
TH228	1.33E-03	9.40E-04	6.68E-04	2.56E-04	8.00E-05	4.35E-05	3.20E-05	1.98E-05	1.37E-08	1.04E-08	3.30E-08
PA233	8.54E-04	8.56E-04	8.57E-04	8.61E-04	8.69E-04	8.84E-04	9.28E-04	9.98E-04	1.64E-03	1.84E-03	1.34E-03
PA234M	1.55E-03	4.08E-05	4.08E-05	4.08E-05	4.08E-05	4.08E-05	4.08E-05	4.08E-05	4.08E-05	4.08E-05	4.08E-05
U 232	4.27E-05	4.37E-05	4.44E-05	4.51E-05	4.43E-05	4.08E-05	3.06E-05	1.89E-05	1.34E-08	1.01E-08	5.90E-09
U 234	7.09E-04	7.17E-04	7.24E-04	7.48E-04	7.86E-04	8.58E-04	1.05E-03	1.28E-03	1.85E-03	1.82E-03	3.33E-04
U 235	1.14E-05	1.14E-05	1.14E-05	1.14E-05	1.14E-05	1.15E-05	1.15E-05	1.15E-05	1.17E-05	1.48E-05	3.27E-05
U 236	2.04E-04	2.04E-04	2.04E-04	2.04E-04	2.04E-04	2.04E-04	2.05E-04	2.06E-04	2.29E-04	3.71E-04	4.47E-04
U 238	2.09E-04	2.09E-04	2.09E-04	2.09E-04	2.09E-04	2.09E-04	2.09E-04	2.09E-04	2.09E-04	2.09E-04	2.09E-04
NP237	1.11E-02	1.11E-02	1.11E-02	1.12E-02	1.13E-02	1.14E-02	1.20E-02	1.29E-02	2.12E-02	2.38E-02	1.73E-02
NP238	2.20E-04	2.19E-04	2.18E-04	2.15E-04	2.10E-04	2.01E-04	1.75E-04	1.39E-04	2.30E-06	3.50E-24	0.00E+00
NP239	1.03E-01	1.03E-01	1.03E-01	1.03E-01	1.03E-01	1.03E-01	1.03E-01	1.02E-01	9.41E-02	4.04E-02	9.11E-09
PU238	3.26E+00	3.24E+00	3.22E+00	3.15E+00	3.03E+00	2.82E+00	2.27E+00	1.59E+00	3.94E-03	9.51E-21	0.00E+00
PU239	2.88E-01	2.88E-01	2.89E-01	2.89E-01	2.89E-01	2.90E-01	2.91E-01	2.93E-01	3.18E-01	4.28E-01	1.17E-07
PU240	5.35E-01	5.54E-01	5.73E-01	6.26E-01	7.00E-01	8.13E-01	9.76E-01	1.04E+00	9.53E-01	3.67E-01	1.68E-09
PU241	9.62E-02	9.17E-02	8.74E-02	7.56E-02	5.95E-02	3.68E-02	8.70E-03	8.13E-04	2.92E-05	1.40E-05	0.00E+00
PU242	2.56E-03	2.56E-03	2.56E-03	2.56E-03	2.56E-03	2.56E-03	2.57E-03	2.57E-03	2.65E-03	2.96E-03	5.25E-04
AM241	6.83E+01	6.84E+01	6.84E+01	6.85E+01	6.85E+01	6.83E+01	6.60E+01	6.12E+01	1.45E+01	1.52E-02	0.00E+00
AM242M	3.63E-03	3.61E-03	3.59E-03	3.55E-03	3.47E-03	3.31E-03	2.89E-03	2.30E-03	3.80E-05	5.76E-23	0.00E+00
AM242	1.06E-02	1.06E-02	1.05E-02	1.04E-02	1.01E-02	9.70E-03	8.46E-03	6.73E-03	1.11E-04	1.69E-22	0.00E+00
AM243	1.38E+00	1.38E+00	1.38E+00	1.38E+00	1.38E+00	1.38E+00	1.37E+00	1.37E+00	1.25E+00	5.39E-01	1.21E-07
CM242	3.39E-01	2.90E-01	2.79E-01	2.73E-01	2.66E-01	2.54E-01	2.22E-01	1.77E-01	2.92E-03	4.44E-21	0.00E+00
CM243	1.39E+00	1.35E+00	1.32E+00	1.23E+00	1.09E+00	8.53E-01	4.11E-01	1.22E-01	3.82E-11	0.00E+00	0.00E+00
CM244	2.12E+02	2.04E+02	1.96E+02	1.75E+02	1.45E+02	9.86E+01	3.13E+01	4.62E+00	5.10E-15	0.00E+00	0.00E+00
CM245	3.42E-02	3.42E-02	3.42E-02	3.42E-02	3.42E-02	3.41E-02	3.40E-02	3.39E-02	3.15E-02	1.51E-02	0.00E+00
CM246	5.11E-02	5.11E-02	5.11E-02	5.11E-02	5.10E-02	5.10E-02	5.07E-02	5.04E-02	4.42E-02	1.18E-02	2.30E-31
Summe	2.88E+02	2.80E+02	2.72E+02	2.51E+02	2.20E+02	1.73E+02	1.03E+02	7.06E+01	1.72E+01	1.45E+00	1.68E-01

DWR mit UO₂/MOX-Brennstoff (90/10), 1. Rezyklierung, WA-Zeitpunkt 7A / Summe der Abfallströme
Radioaktivität der Spaltprodukt nuklide [Ci/TSM]

		ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
		0	1	2	5	10	20	50	100	1000	10000	1000000
H	3	4.19E+02	3.96E+02	3.74E+02	3.16E+02	2.39E+02	1.36E+02	2.53E+01	1.53E+00	0.00E+00	0.00E+00	0.00E+00
SE	79	4.43E-01	4.43E-01	4.43E-01	4.43E-01	4.43E-01	4.43E-01	4.43E-01	4.43E-01	4.39E-01	3.98E-01	1.03E-05
SR	90	7.25E+04	7.08E+04	6.91E+04	6.43E+04	5.71E+04	4.50E+04	2.20E+04	6.71E+03	3.35E-06	0.00E+00	0.00E+00
Y	90	7.25E+04	7.08E+04	6.91E+04	6.43E+04	5.71E+04	4.50E+04	2.21E+04	6.71E+03	3.35E-06	0.00E+00	0.00E+00
ZR	93	2.10E+00	2.10E+00	2.10E+00	2.10E+00	2.10E+00	2.10E+00	2.10E+00	2.10E+00	2.10E+00	2.09E+00	1.33E+00
NB	93M	7.06E-01	7.70E-01	8.30E-01	9.95E-01	1.22E+00	1.53E+00	1.89E+00	1.99E+00	1.99E+00	1.98E+00	1.27E+00
TC	99	1.55E+01	1.55E+01	1.55E+01	1.55E+01	1.55E+01	1.55E+01	1.55E+01	1.55E+01	1.54E+01	1.50E+01	5.98E-01
RU	106	5.36E+03	2.69E+03	1.35E+03	1.72E+02	5.53E+00	5.66E-03	6.25E-12	7.36E-27	0.00E+00	0.00E+00	0.00E+00
RH	106	5.36E+03	2.69E+03	1.35E+03	1.72E+02	5.53E+00	5.72E-03	6.25E-12	7.36E-27	0.00E+00	0.00E+00	0.00E+00
PD	107	1.38E-01	1.38E-01	1.38E-01	1.38E-01	1.38E-01	1.38E-01	1.38E-01	1.38E-01	1.38E-01	1.38E-01	1.24E-01
AG	110M	3.97E+00	1.44E+00	5.24E-01	2.51E-02	1.59E-04	6.33E-09	4.02E-22	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CD	113M	3.67E+01	3.50E+01	3.34E+01	2.90E+01	2.29E+01	1.42E+01	3.42E+00	3.18E-01	8.64E-20	0.00E+00	0.00E+00
SN	121M	1.90E-01	1.87E-01	1.85E-01	1.77E-01	1.65E-01	1.44E-01	9.49E-02	4.74E-02	1.80E-07	0.00E+00	0.00E+00
SN	126	7.03E-01	7.03E-01	7.03E-01	7.03E-01	7.03E-01	7.03E-01	7.03E-01	7.03E-01	6.98E-01	6.56E-01	7.45E-04
SB	125	2.02E+03	1.57E+03	1.22E+03	5.76E+02	1.64E+02	1.33E+01	7.15E-03	2.53E-08	0.00E+00	0.00E+00	0.00E+00
SB	126	9.85E-02	9.85E-02	9.85E-02	9.85E-02	9.85E-02	9.84E-02	9.84E-02	9.84E-02	9.78E-02	9.19E-02	1.04E-04
SB	126M	7.03E-01	7.03E-01	7.03E-01	7.03E-01	7.03E-01	7.03E-01	7.03E-01	7.03E-01	6.98E-01	6.56E-01	7.45E-04
TE	125M	4.93E+02	3.84E+02	2.99E+02	1.41E+02	4.01E+01	3.26E+00	1.74E-03	6.17E-09	0.00E+00	0.00E+00	0.00E+00
CS	134	2.09E+04	1.50E+04	1.07E+04	3.90E+03	7.27E+02	2.52E+01	1.05E-03	5.31E-11	0.00E+00	0.00E+00	0.00E+00
CS	135	4.14E-01	4.14E-01	4.14E-01	4.14E-01	4.14E-01	4.14E-01	4.14E-01	4.14E-01	4.14E-01	4.13E-01	3.07E-01
CS	137	1.10E+05	1.07E+05	1.05E+05	9.78E+04	8.71E+04	6.92E+04	3.46E+04	1.09E+04	1.02E-05	0.00E+00	0.00E+00
BA	137M	1.04E+05	1.01E+05	9.92E+04	9.25E+04	8.24E+04	6.54E+04	3.27E+04	1.03E+04	9.64E-06	0.00E+00	0.00E+00
CE	144	2.55E+03	1.05E+03	4.30E+02	2.97E+01	3.46E-01	4.70E-05	1.18E-16	5.44E-36	0.00E+00	0.00E+00	0.00E+00
PR	144	2.55E+03	1.05E+03	4.30E+02	2.97E+01	3.46E-01	4.70E-05	1.18E-16	5.44E-36	0.00E+00	0.00E+00	0.00E+00
PR	144M	3.06E+01	1.26E+01	5.16E+00	3.57E-01	4.16E-03	5.65E-07	1.41E-18	6.53E-38	0.00E+00	0.00E+00	0.00E+00
PM	147	2.70E+04	2.07E+04	1.59E+04	7.21E+03	1.92E+03	1.37E+02	4.96E-02	9.11E-08	0.00E+00	0.00E+00	0.00E+00
SM	151	3.93E+02	3.90E+02	3.87E+02	3.78E+02	3.63E+02	3.37E+02	2.67E+02	1.82E+02	1.78E-01	0.00E+00	0.00E+00
EU	152	3.74E+00	3.55E+00	3.38E+00	2.90E+00	2.25E+00	1.35E+00	2.93E-01	2.29E-02	2.78E-22	0.00E+00	0.00E+00
EU	154	9.48E+03	8.74E+03	8.07E+03	6.33E+03	4.23E+03	1.89E+03	1.69E+02	3.00E+00	0.00E+00	0.00E+00	0.00E+00
EU	155	3.91E+03	3.40E+03	2.96E+03	1.95E+03	9.67E+02	2.39E+02	3.62E+00	3.34E-03	0.00E+00	0.00E+00	0.00E+00
Summe		4.39E+05	4.08E+05	3.86E+05	3.40E+05	2.93E+05	2.27E+05	1.12E+05	3.48E+04	2.22E+01	2.14E+01	3.63E+00

DWR mit UO ₂ /MOX-Brennstoff (90/10), 1. Rezyklierung, WA-Zeitpunkt 7A / Summe der Abfallströme												
Wärmeleistung der Spaltprodukt nuklide [W/TSM]												
ZEITEN NACH DER WIEDERAUFARBEITUNG [A]												
	0	1	2	5	10	20	50	100	1000	10000	1000000	
H 3	1.42E-02	1.34E-02	1.26E-02	1.07E-02	8.07E-03	4.61E-03	8.55E-04	5.17E-05	0.00E+00	0.00E+00	0.00E+00	
SE 79	1.10E-04	1.10E-04	1.10E-04	1.10E-04	1.10E-04	1.10E-04	1.10E-04	1.10E-04	1.09E-04	9.92E-05	2.57E-09	
SR 90	8.41E+01	8.21E+01	8.02E+01	7.47E+01	6.63E+01	5.23E+01	2.56E+01	7.79E+00	3.89E-09	0.00E+00	0.00E+00	
Y 90	4.02E+02	3.92E+02	3.83E+02	3.57E+02	3.17E+02	2.50E+02	1.22E+02	3.72E+01	1.86E-08	0.00E+00	0.00E+00	
ZR 93	2.44E-04	2.44E-04	2.44E-04	2.44E-04	2.44E-04	2.44E-04	2.44E-04	2.44E-04	2.44E-04	2.44E-04	2.43E-04	1.55E-04
NB 93M	1.25E-04	1.36E-04	1.47E-04	1.76E-04	2.16E-04	2.71E-04	3.35E-04	3.52E-04	3.53E-04	3.52E-04	3.52E-04	2.25E-04
TC 99	7.77E-03	7.77E-03	7.77E-03	7.77E-03	7.77E-03	7.77E-03	7.76E-03	7.76E-03	7.74E-03	7.52E-03	3.00E-04	
RU106	3.17E-01	1.60E-01	8.03E-02	1.02E-02	3.28E-04	3.35E-07	3.70E-16	4.36E-31	0.00E+00	0.00E+00	0.00E+00	
RH106	5.14E+01	2.58E+01	1.30E+01	1.65E+00	5.31E-02	5.49E-05	5.99E-14	7.06E-29	0.00E+00	0.00E+00	0.00E+00	
AG110M	6.63E-02	2.41E-02	8.75E-03	4.19E-04	2.65E-06	1.06E-10	6.71E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
CD113M	6.19E-02	5.90E-02	5.63E-02	4.88E-02	3.85E-02	2.39E-02	5.75E-03	5.35E-04	1.45E-22	0.00E+00	0.00E+00	
SN121M	3.80E-04	3.75E-04	3.70E-04	3.55E-04	3.31E-04	2.88E-04	1.90E-04	9.51E-05	3.61E-10	0.00E+00	0.00E+00	
SN126	8.77E-04	8.77E-04	8.77E-04	8.77E-04	8.77E-04	8.77E-04	8.77E-04	8.77E-04	8.71E-04	8.18E-04	9.29E-07	
SB125	6.32E+00	4.92E+00	3.83E+00	1.80E+00	5.13E-01	4.17E-02	2.24E-05	7.90E-11	0.00E+00	0.00E+00	0.00E+00	
SB126	1.82E-03	1.82E-03	1.82E-03	1.82E-03	1.82E-03	1.82E-03	1.82E-03	1.82E-03	1.81E-03	1.70E-03	1.93E-06	
SB126M	8.95E-03	8.95E-03	8.95E-03	8.95E-03	8.95E-03	8.95E-03	8.95E-03	8.95E-03	8.89E-03	8.36E-03	9.49E-06	
TE125M	4.15E-01	3.23E-01	2.51E-01	1.18E-01	3.37E-02	2.74E-03	1.47E-06	5.19E-12	0.00E+00	0.00E+00	0.00E+00	
CS134	2.13E+02	1.52E+02	1.09E+02	3.97E+01	7.40E+00	2.57E-01	1.07E-05	5.41E-13	0.00E+00	0.00E+00	0.00E+00	
CS135	1.38E-04	1.38E-04	1.38E-04	1.38E-04	1.38E-04	1.38E-04	1.38E-04	1.38E-04	1.38E-04	1.38E-04	1.38E-04	1.02E-04
CS137	1.21E+02	1.19E+02	1.16E+02	1.08E+02	9.64E+01	7.65E+01	3.83E+01	1.21E+01	1.13E-08	0.00E+00	0.00E+00	
BA137M	4.08E+02	3.98E+02	3.89E+02	3.63E+02	3.24E+02	2.57E+02	1.28E+02	4.05E+01	3.79E-08	0.00E+00	0.00E+00	
CE144	1.69E+00	6.95E-01	2.85E-01	1.97E-02	2.30E-04	3.12E-08	7.82E-20	3.61E-39	0.00E+00	0.00E+00	0.00E+00	
PR144	1.88E+01	7.70E+00	3.16E+00	2.19E-01	2.55E-03	3.46E-07	8.66E-19	4.00E-38	0.00E+00	0.00E+00	0.00E+00	
PR144M	1.05E-02	4.30E-03	1.76E-03	1.22E-04	1.42E-06	1.93E-10	4.84E-22	2.23E-41	0.00E+00	0.00E+00	0.00E+00	
PM147	9.69E+00	7.44E+00	5.71E+00	2.59E+00	6.90E-01	4.92E-02	1.78E-05	3.27E-11	0.00E+00	0.00E+00	0.00E+00	
SM151	4.61E-02	4.57E-02	4.54E-02	4.43E-02	4.27E-02	3.95E-02	3.13E-02	2.13E-02	2.09E-05	0.00E+00	0.00E+00	
EU152	2.83E-02	2.69E-02	2.56E-02	2.20E-02	1.70E-02	1.02E-02	2.22E-03	1.74E-04	2.11E-24	0.00E+00	0.00E+00	
EU154	8.48E+01	7.82E+01	7.22E+01	5.67E+01	3.79E+01	1.69E+01	1.51E+00	2.68E-02	0.00E+00	0.00E+00	0.00E+00	
EU155	2.85E+00	2.47E+00	2.15E+00	1.41E+00	7.04E-01	1.74E-01	2.63E-03	2.43E-06	0.00E+00	0.00E+00	0.00E+00	
HO166M	9.72E-06	9.72E-06	9.71E-06	9.69E-06	9.67E-06	9.61E-06	9.45E-06	9.18E-06	5.46E-06	3.02E-08	0.00E+00	
Summe	1.40E+03	1.27E+03	1.18E+03	1.01E+03	8.50E+02	6.53E+02	3.16E+02	9.76E+01	2.02E-02	1.92E-02	8.02E-04	

DWR mit UO₂/MOX-Brennstoff (70/30), 1. Rezyklierung, WA-Zeitpunkt 7A / HAWC
 Konzentrationen der Aktinidenelemente [G/TSM]

	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
HE	3.57E+00	3.70E+00	3.81E+00	4.15E+00	4.65E+00	5.46E+00	7.01E+00	8.48E+00	1.93E+01	2.85E+01	7.64E+01
TL	4.44E-11	3.11E-11	2.17E-11	7.56E-12	1.53E-12	3.81E-13	3.13E-13	2.50E-13	1.37E-13	9.52E-13	4.51E-11
PB	5.85E-05	7.08E-05	7.94E-05	9.27E-05	9.87E-05	1.01E-04	1.03E-04	1.07E-04	1.29E-04	3.14E-03	3.98E+00
BI	3.01E-09	2.32E-09	1.85E-09	1.22E-09	1.16E-09	1.70E-09	4.45E-09	1.58E-08	1.41E-05	1.94E-02	2.66E+02
PO	2.20E-12	2.90E-12	3.77E-12	7.33E-12	1.72E-11	4.36E-11	1.67E-10	4.39E-10	1.23E-08	3.74E-07	8.04E-07
AT	8.26E-20	8.27E-20	8.28E-20	8.38E-20	8.72E-20	1.00E-19	1.94E-19	5.44E-19	7.01E-17	8.56E-15	4.62E-13
RN	4.03E-11	2.86E-11	2.04E-11	8.32E-12	3.80E-12	4.48E-12	9.60E-12	1.85E-11	3.58E-10	1.09E-08	2.35E-08
FR	2.68E-15	2.89E-15	3.10E-15	3.69E-15	4.57E-15	6.03E-15	9.10E-15	1.34E-14	6.45E-13	7.78E-11	4.20E-09
RA	3.50E-07	3.08E-07	2.86E-07	2.93E-07	3.95E-07	6.57E-07	1.47E-06	2.86E-06	5.57E-05	1.70E-03	3.67E-03
AC	7.37E-08	8.18E-08	8.97E-08	1.12E-07	1.44E-07	1.96E-07	2.80E-07	3.23E-07	3.48E-07	7.91E-07	2.61E-05
TH	4.00E-03	3.97E-03	3.97E-03	3.96E-03	3.97E-03	4.00E-03	4.11E-03	4.35E-03	1.49E-02	1.97E-01	9.18E+00
PA	5.25E-04	5.25E-04	5.25E-04	5.25E-04	5.25E-04	5.26E-04	5.28E-04	5.31E-04	5.69E-04	8.94E-04	2.03E-02
U	4.70E+03	4.70E+03	4.70E+03	4.70E+03	4.70E+03	4.70E+03	4.70E+03	4.71E+03	4.72E+03	4.87E+03	5.38E+03
NP	4.61E+02	4.62E+02	4.64E+02	4.68E+02	4.75E+02	4.89E+02	5.30E+02	5.94E+02	1.18E+03	1.36E+03	9.95E+02
PU	8.25E+01	8.79E+01	9.31E+01	1.08E+02	1.28E+02	1.60E+02	2.07E+02	2.27E+02	2.44E+02	3.06E+02	3.40E+00
AM	1.29E+03	1.29E+03	1.29E+03	1.29E+03	1.28E+03	1.27E+03	1.23E+03	1.16E+03	5.36E+02	1.51E+02	4.68E-05
CM	1.85E+02	1.79E+02	1.73E+02	1.57E+02	1.35E+02	1.00E+02	5.00E+01	2.98E+01	2.38E+01	9.33E+00	1.01E-01
BK	2.10E-07	9.51E-08	4.31E-08	4.02E-09	7.71E-11	2.83E-14	4.63E-19	4.63E-19	4.46E-19	3.12E-19	2.35E-36
CF	7.75E-05	7.66E-05	7.57E-05	7.33E-05	7.00E-05	6.52E-05	5.77E-05	5.15E-05	9.33E-06	9.58E-10	8.35E-32
Summe	6.73E+03	6.73E+03	6.73E+03	6.73E+03	6.73E+03	6.73E+03	6.73E+03	6.73E+03	6.73E+03	6.73E+03	6.73E+03

DWR mit UO ₂ /MOX-Brennstoff (70/30), 1. Rezyklierung, WA-Zeitpunkt 7A / HAWC											
Radioaktivität der Aktinidennuklide [Ci/TSM]											
	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
TH230	6.09E-05	6.09E-05	6.10E-05	6.11E-05	6.13E-05	6.18E-05	6.36E-05	6.80E-05	2.55E-04	2.14E-03	3.61E-03
TH231	1.36E-02	6.79E-05	6.79E-05	6.79E-05	6.79E-05	6.79E-05	6.80E-05	6.81E-05	7.14E-05	1.63E-04	9.60E-04
TH234	3.13E-01	1.57E-03	1.56E-03	1.56E-03	1.56E-03	1.56E-03	1.56E-03	1.56E-03	1.56E-03	1.56E-03	1.57E-03
PA233	3.27E-01	3.26E-01	3.27E-01	3.30E-01	3.35E-01	3.45E-01	3.74E-01	4.19E-01	8.32E-01	9.62E-01	7.02E-01
PA234M	3.13E-01	1.57E-03	1.56E-03	1.56E-03	1.56E-03	1.56E-03	1.56E-03	1.56E-03	1.56E-03	1.56E-03	1.57E-03
U 232	2.26E-04	2.32E-04	2.37E-04	2.42E-04	2.39E-04	2.20E-04	1.65E-04	1.02E-04	2.93E-07	2.74E-07	1.61E-07
U 233	3.61E-07	1.94E-06	3.52E-06	7.98E-06	1.53E-05	3.01E-05	7.73E-05	1.64E-04	2.81E-03	3.98E-02	7.44E-01
U 234	4.19E-03	4.27E-03	4.36E-03	4.61E-03	5.01E-03	5.81E-03	8.03E-03	1.12E-02	2.47E-02	2.43E-02	2.94E-03
U 235	6.79E-05	6.79E-05	6.79E-05	6.79E-05	6.79E-05	6.79E-05	6.80E-05	6.81E-05	7.14E-05	1.63E-04	9.60E-04
U 236	1.18E-03	1.18E-03	1.18E-03	1.18E-03	1.18E-03	1.19E-03	1.21E-03	1.27E-03	2.29E-03	8.56E-03	1.21E-02
U 237	2.52E-02	2.40E-02	2.29E-02	1.98E-02	1.56E-02	9.65E-03	2.33E-03	2.67E-04	5.86E-05	2.81E-05	0.00E+00
U 238	1.56E-03	1.56E-03	1.56E-03	1.56E-03	1.56E-03	1.56E-03	1.56E-03	1.56E-03	1.56E-03	1.56E-03	1.57E-03
NP237	3.25E-01	3.26E-01	3.27E-01	3.30E-01	3.35E-01	3.45E-01	3.74E-01	4.19E-01	8.32E-01	9.62E-01	7.02E-01
NP238	9.86E-02	9.79E-02	9.75E-02	9.62E-02	9.40E-02	8.98E-02	7.83E-02	6.24E-02	1.03E-03	1.56E-21	0.00E+00
NP239	7.71E+01	7.69E+01	7.69E+01	7.69E+01	7.68E+01	7.68E+01	7.66E+01	7.62E+01	7.00E+01	3.01E+01	9.33E-06
PU238	2.96E+01	2.95E+01	2.94E+01	2.91E+01	2.86E+01	2.76E+01	2.47E+01	2.04E+01	1.87E-01	6.14E-19	0.00E+00
PU239	2.44E+00	2.45E+00	2.45E+00	2.46E+00	2.48E+00	2.52E+00	2.61E+00	2.73E+00	4.54E+00	1.41E+01	9.33E-06
PU240	5.31E+00	6.63E+00	7.90E+00	1.14E+01	1.65E+01	2.41E+01	3.52E+01	3.94E+01	3.65E+01	1.41E+01	7.09E-08
PU241	1.01E+03	9.58E+02	9.13E+02	7.91E+02	6.22E+02	3.85E+02	9.29E+01	1.07E+01	2.34E+00	1.12E+00	0.00E+00
PU242	3.22E-02	3.22E-02	3.22E-02	3.22E-02	3.23E-02	3.24E-02	3.28E-02	3.33E-02	3.94E-02	6.61E-02	1.30E-02
AM241	3.11E+03	3.10E+03	3.10E+03	3.09E+03	3.07E+03	3.03E+03	2.90E+03	2.68E+03	6.34E+02	1.13E+00	0.00E+00
AM242M	1.97E+01	1.96E+01	1.95E+01	1.92E+01	1.88E+01	1.80E+01	1.57E+01	1.25E+01	2.06E-01	3.13E-19	0.00E+00
AM242	1.96E+01	1.95E+01	1.94E+01	1.91E+01	1.87E+01	1.79E+01	1.56E+01	1.24E+01	2.05E-01	3.11E-19	0.00E+00
AM243	7.69E+01	7.69E+01	7.69E+01	7.69E+01	7.68E+01	7.68E+01	7.66E+01	7.62E+01	7.00E+01	3.01E+01	9.33E-06
CM242	1.91E+01	1.68E+01	1.62E+01	1.59E+01	1.55E+01	1.48E+01	1.29E+01	1.03E+01	1.70E-01	2.58E-19	0.00E+00
CM243	7.16E+01	6.99E+01	6.82E+01	6.34E+01	5.61E+01	4.40E+01	2.12E+01	6.29E+00	1.97E-09	0.00E+00	0.00E+00
CM244	1.27E+04	1.22E+04	1.18E+04	1.05E+04	8.67E+03	5.91E+03	1.88E+03	2.77E+02	3.06E-13	0.00E+00	0.00E+00
CM245	2.54E+00	2.54E+00	2.54E+00	2.54E+00	2.54E+00	2.53E+00	2.53E+00	2.52E+00	2.34E+00	1.12E+00	0.00E+00
CM246	3.57E+00	3.57E+00	3.57E+00	3.57E+00	3.57E+00	3.56E+00	3.55E+00	3.52E+00	3.09E+00	8.26E-01	1.25E-29
CF249	2.46E-04	2.46E-04	2.46E-04	2.44E-04	2.42E-04	2.37E-04	2.24E-04	2.03E-04	3.42E-05	6.38E-13	0.00E+00
Summe	1.72E+04	1.66E+04	1.61E+04	1.47E+04	1.27E+04	9.64E+03	5.15E+03	3.23E+03	8.26E+02	9.47E+01	8.18E+00

DWR mit UO₂/MOX-Brennstoff (70/30), 1. Rezyklierung, WA-Zeitpunkt 7A / HAWC
 Wärmeleistung der Aktinidennuklide [W/TSM]

	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
PO216	1.44E-03	1.01E-03	7.05E-04	2.44E-04	4.79E-05	9.95E-06	6.72E-06	4.16E-06	1.16E-08	1.10E-08	3.03E-08
RN220	1.38E-03	9.67E-04	6.76E-04	2.34E-04	4.59E-05	9.55E-06	6.44E-06	3.99E-06	1.12E-08	1.05E-08	2.90E-08
RA224	1.25E-03	8.74E-04	6.11E-04	2.12E-04	4.15E-05	8.63E-06	5.82E-06	3.60E-06	1.01E-08	9.51E-09	2.62E-08
TH228	1.19E-03	8.29E-04	5.80E-04	2.01E-04	3.94E-05	8.22E-06	5.55E-06	3.44E-06	9.62E-09	9.06E-09	2.50E-08
PA233	7.42E-04	7.40E-04	7.43E-04	7.49E-04	7.61E-04	7.83E-04	8.48E-04	9.51E-04	1.89E-03	2.18E-03	1.59E-03
PA234M	1.55E-03	7.77E-06	7.73E-06	7.73E-06	7.73E-06	7.73E-06	7.73E-06	7.73E-06	7.73E-06	7.73E-06	7.76E-06
U 232	7.25E-06	7.46E-06	7.60E-06	7.78E-06	7.67E-06	7.06E-06	5.30E-06	3.28E-06	9.41E-09	8.80E-09	5.17E-09
U 233	1.05E-08	5.64E-08	1.02E-07	2.32E-07	4.44E-07	8.76E-07	2.25E-06	4.77E-06	8.17E-05	1.16E-03	2.17E-02
U 234	1.21E-04	1.23E-04	1.25E-04	1.33E-04	1.44E-04	1.67E-04	2.31E-04	3.23E-04	7.10E-04	6.98E-04	8.46E-05
U 236	3.19E-05	3.19E-05	3.19E-05	3.19E-05	3.19E-05	3.21E-05	3.29E-05	3.44E-05	6.20E-05	2.32E-04	3.29E-04
U 238	3.96E-05	3.96E-05	3.96E-05	3.96E-05	3.96E-05	3.96E-05	3.96E-05	3.96E-05	3.96E-05	3.96E-05	3.97E-05
NP237	9.55E-03	9.58E-03	9.61E-03	9.70E-03	9.85E-03	1.01E-02	1.10E-02	1.23E-02	2.44E-02	2.83E-02	2.06E-02
NP238	4.72E-04	4.69E-04	4.67E-04	4.61E-04	4.50E-04	4.30E-04	3.75E-04	2.99E-04	4.94E-06	7.49E-24	0.00E+00
NP239	1.86E-01	1.86E-01	1.86E-01	1.86E-01	1.86E-01	1.86E-01	1.85E-01	1.84E-01	1.69E-01	7.27E-02	2.25E-08
PU238	9.81E-01	9.78E-01	9.74E-01	9.64E-01	9.47E-01	9.13E-01	8.18E-01	6.75E-01	6.21E-03	2.04E-20	0.00E+00
PU239	7.59E-02	7.60E-02	7.62E-02	7.65E-02	7.71E-02	7.83E-02	8.11E-02	8.49E-02	1.41E-01	4.38E-01	2.90E-07
PU240	1.65E-01	2.07E-01	2.46E-01	3.56E-01	5.14E-01	7.51E-01	1.10E+00	1.23E+00	1.14E+00	4.38E-01	2.21E-09
PU241	3.10E-02	2.95E-02	2.81E-02	2.44E-02	1.92E-02	1.19E-02	2.86E-03	3.29E-04	7.22E-05	3.47E-05	0.00E+00
PU242	9.50E-04	9.51E-04	9.51E-04	9.52E-04	9.54E-04	9.58E-04	9.68E-04	9.83E-04	1.16E-03	1.95E-03	3.83E-04
AM241	1.04E+02	1.04E+02	1.04E+02	1.03E+02	1.03E+02	1.01E+02	9.68E+01	8.95E+01	2.12E+01	3.76E-02	0.00E+00
AM242M	7.77E-03	7.73E-03	7.70E-03	7.59E-03	7.42E-03	7.09E-03	6.18E-03	4.92E-03	8.14E-05	1.23E-22	0.00E+00
AM242	2.27E-02	2.26E-02	2.25E-02	2.22E-02	2.17E-02	2.08E-02	1.81E-02	1.44E-02	2.38E-04	3.62E-22	0.00E+00
AM243	2.48E+00	2.48E+00	2.48E+00	2.48E+00	2.48E+00	2.48E+00	2.47E+00	2.46E+00	2.26E+00	9.70E-01	3.01E-07
CM242	7.05E-01	6.17E-01	5.97E-01	5.84E-01	5.70E-01	5.45E-01	4.75E-01	3.78E-01	6.25E-03	9.51E-21	0.00E+00
CM243	2.63E+00	2.56E+00	2.50E+00	2.33E+00	2.06E+00	1.61E+00	7.79E-01	2.31E-01	7.24E-11	0.00E+00	0.00E+00
CM244	4.45E+02	4.28E+02	4.12E+02	3.67E+02	3.03E+02	2.07E+02	6.56E+01	9.69E+00	1.07E-14	0.00E+00	0.00E+00
CM245	8.46E-02	8.46E-02	8.46E-02	8.46E-02	8.45E-02	8.45E-02	8.42E-02	8.39E-02	7.80E-02	3.74E-02	0.00E+00
CM246	1.17E-01	1.17E-01	1.17E-01	1.17E-01	1.17E-01	1.17E-01	1.16E-01	1.15E-01	1.01E-01	2.70E-02	4.10E-31
CM248	2.37E-06	2.37E-06	2.37E-06	2.37E-06	2.37E-06	2.37E-06	2.37E-06	2.37E-06	2.37E-06	2.33E-06	3.07E-07
CF249	9.18E-06	9.18E-06	9.17E-06	9.12E-06	9.03E-06	8.85E-06	8.34E-06	7.56E-06	1.28E-06	2.38E-14	0.00E+00
Summe	5.56E+02	5.39E+02	5.23E+02	4.78E+02	4.13E+02	3.15E+02	1.69E+02	1.05E+02	2.51E+01	2.06E+00	1.97E-01

DWR mit UO₂/MOX-Brennstoff (70/30), 1. Rezyklierung, WA-Zeitpunkt 7A / HAWC
Radioaktivität der Spaltprodukt nuklide [Ci/TSM]

		ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
		0	1	2	5	10	20	50	100	1000	10000	1000000
H	3	4.37E+02	4.14E+02	3.91E+02	3.30E+02	2.50E+02	1.42E+02	2.64E+01	1.60E+00	0.00E+00	0.00E+00	0.00E+00
C	14	1.88E-02	1.88E-02	1.88E-02	1.88E-02	1.88E-02	1.88E-02	1.87E-02	1.86E-02	1.67E-02	5.61E-03	0.00E+00
SE	79	2.63E-01	2.63E-01	2.63E-01	2.63E-01	2.63E-01	2.63E-01	2.62E-01	2.62E-01	2.60E-01	2.36E-01	6.12E-06
SR	90	6.59E+04	6.44E+04	6.29E+04	5.85E+04	5.20E+04	4.10E+04	2.01E+04	6.10E+03	3.05E-06	0.00E+00	0.00E+00
Y	90	6.58E+04	6.44E+04	6.29E+04	5.85E+04	5.20E+04	4.10E+04	2.01E+04	6.10E+03	3.05E-06	0.00E+00	0.00E+00
ZR	93	1.29E+00	1.29E+00	1.29E+00	1.29E+00	1.29E+00	1.29E+00	1.29E+00	1.29E+00	1.29E+00	1.28E+00	8.20E-01
NB	93M	3.35E-02	9.27E-02	1.49E-01	3.02E-01	5.09E-01	7.95E-01	1.13E+00	1.22E+00	1.22E+00	1.22E+00	7.79E-01
TC	99	1.23E+01	1.23E+01	1.23E+01	1.23E+01	1.23E+01	1.23E+01	1.23E+01	1.23E+01	1.23E+01	1.19E+01	4.77E-01
RU106		2.37E+03	1.19E+03	6.00E+02	7.63E+01	2.45E+00	2.62E-03	2.89E-12	3.41E-27	0.00E+00	0.00E+00	0.00E+00
RH106		2.97E+03	1.19E+03	6.00E+02	7.63E+01	2.45E+00	2.62E-03	2.89E-12	3.41E-27	0.00E+00	0.00E+00	0.00E+00
PD107		1.31E-01	1.31E-01	1.31E-01	1.31E-01	1.31E-01	1.31E-01	1.31E-01	1.31E-01	1.31E-01	1.31E-01	1.18E-01
CD113M		3.34E+01	3.19E+01	3.04E+01	2.63E+01	2.08E+01	1.29E+01	3.11E+00	2.89E-01	7.85E-20	0.00E+00	0.00E+00
SN121M		4.34E-02	4.28E-02	4.22E-02	4.05E-02	3.78E-02	3.29E-02	2.17E-02	1.08E-02	4.12E-08	0.00E+00	0.00E+00
SN126		1.55E-01	1.55E-01	1.55E-01	1.55E-01	1.55E-01	1.55E-01	1.55E-01	1.55E-01	1.54E-01	1.45E-01	1.49E-04
SB125		1.10E+02	8.57E+01	6.67E+01	3.14E+01	8.95E+00	7.27E-01	3.90E-04	1.38E-09	0.00E+00	0.00E+00	0.00E+00
SB126		5.37E-03	2.17E-02	2.17E-02	2.17E-02	2.17E-02	2.17E-02	2.17E-02	2.17E-02	2.15E-02	2.02E-02	2.12E-05
SB126M		3.84E-02	1.55E-01	1.55E-01	1.55E-01	1.55E-01	1.55E-01	1.55E-01	1.55E-01	1.54E-01	1.45E-01	1.52E-04
TE125M		3.27E+02	2.47E+01	1.63E+01	7.67E+00	2.18E+00	1.77E-01	9.51E-05	3.36E-10	0.00E+00	0.00E+00	0.00E+00
CS134		2.08E+04	1.48E+04	1.06E+04	3.87E+03	7.21E+02	2.50E+01	1.05E-03	5.27E-11	0.00E+00	0.00E+00	0.00E+00
CS135		4.81E-01	4.81E-01	4.81E-01	4.81E-01	4.81E-01	4.81E-01	4.81E-01	4.81E-01	4.81E-01	4.80E-01	3.56E-01
CS137		1.10E+05	1.07E+05	1.05E+05	9.78E+04	8.71E+04	6.92E+04	3.46E+04	1.09E+04	1.02E-05	0.00E+00	0.00E+00
BA137M		1.04E+05	1.01E+05	9.92E+04	9.25E+04	8.24E+04	6.54E+04	3.27E+04	1.03E+04	9.64E-06	0.00E+00	0.00E+00
CE144		2.47E+03	1.02E+03	4.17E+02	2.88E+01	3.36E-01	4.56E-05	1.14E-16	5.28E-36	0.00E+00	0.00E+00	0.00E+00
PR144		2.47E+03	1.02E+03	4.17E+02	2.88E+01	3.36E-01	4.56E-05	1.14E-16	5.28E-36	0.00E+00	0.00E+00	0.00E+00
PR144M		2.97E+01	1.22E+01	5.00E+00	3.46E-01	4.03E-03	5.48E-07	1.37E-18	6.34E-38	0.00E+00	0.00E+00	0.00E+00
PM147		2.70E+04	2.07E+04	1.59E+04	7.21E+03	1.92E+03	1.37E+02	4.96E-02	9.11E-08	0.00E+00	0.00E+00	0.00E+00
SM151		4.64E+02	4.60E+02	4.56E+02	4.46E+02	4.29E+02	3.97E+02	3.15E+02	2.15E+02	2.10E-01	0.00E+00	0.00E+00
EU152		5.15E+00	4.90E+00	4.65E+00	3.99E+00	3.10E+00	1.86E+00	4.03E-01	3.16E-02	3.83E-22	0.00E+00	0.00E+00
EU154		1.01E+04	9.30E+03	8.58E+03	6.74E+03	4.50E+03	2.01E+03	1.79E+02	3.19E+00	0.00E+00	0.00E+00	0.00E+00
EU155		4.41E+03	3.83E+03	3.33E+03	2.19E+03	1.09E+03	2.70E+02	4.07E+00	3.76E-03	0.00E+00	0.00E+00	0.00E+00
Summe		4.19E+05	3.92E+05	3.71E+05	3.28E+05	2.82E+05	2.20E+05	1.08E+05	3.37E+04	1.62E+01	1.56E+01	2.55E+00

DWR mit UO ₂ /MOX-Brennstoff (70/30), 1. Rezyklierung, WA-Zeitpunkt 7A / HAWC												
Wärmeleistung der Spaltprodukt nuklide [W/TSM]												
ZEITEN NACH DER WIEDERAUFARBEITUNG [A]												
	0	1	2	5	10	20	50	100	1000	10000	1000000	
H 3	1.48E-02	1.40E-02	1.32E-02	1.12E-02	8.43E-03	4.81E-03	8.93E-04	5.40E-05	0.00E+00	0.00E+00	0.00E+00	
SE 79	6.54E-05	6.54E-05	6.54E-05	6.54E-05	6.54E-05	6.54E-05	6.54E-05	6.53E-05	6.47E-05	5.88E-05	1.52E-09	
SR 90	7.65E+01	7.47E+01	7.30E+01	6.79E+01	6.03E+01	4.75E+01	2.33E+01	7.08E+00	3.54E-09	0.00E+00	0.00E+00	
Y 90	3.65E+02	3.57E+02	3.48E+02	3.24E+02	2.88E+02	2.27E+02	1.11E+02	3.38E+01	1.69E-08	0.00E+00	0.00E+00	
ZR 93	1.50E-04	1.50E-04	1.50E-04	1.50E-04	1.50E-04	1.50E-04	1.50E-04	1.50E-04	1.50E-04	1.49E-04	9.53E-05	
NB 93M	5.93E-06	1.64E-05	2.64E-05	5.34E-05	9.03E-05	1.41E-04	2.01E-04	2.16E-04	2.17E-04	2.16E-04	1.38E-04	
TC 99	6.18E-03	6.18E-03	6.18E-03	6.18E-03	6.18E-03	6.18E-03	6.18E-03	6.18E-03	6.16E-03	5.99E-03	2.39E-04	
RU106	1.41E-01	7.07E-02	3.56E-02	4.52E-03	1.45E-04	1.55E-07	1.72E-16	2.02E-31	0.00E+00	0.00E+00	0.00E+00	
RH106	2.85E+01	1.14E+01	5.76E+00	7.32E-01	2.35E-02	2.51E-05	2.78E-14	3.27E-29	0.00E+00	0.00E+00	0.00E+00	
AG110M	3.98E-03	1.45E-03	5.25E-04	2.52E-05	1.59E-07	6.33E-12	4.02E-25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
CD113M	5.62E-02	5.36E-02	5.11E-02	4.44E-02	3.50E-02	2.18E-02	5.23E-03	4.87E-04	1.32E-22	0.00E+00	0.00E+00	
SN121M	8.70E-05	8.58E-05	8.46E-05	8.11E-05	7.57E-05	6.59E-05	4.35E-05	2.17E-05	8.26E-11	0.00E+00	0.00E+00	
SN126	1.93E-04	1.93E-04	1.93E-04	1.93E-04	1.93E-04	1.93E-04	1.93E-04	1.93E-04	1.92E-04	1.80E-04	1.85E-07	
SB125	3.45E-01	2.68E-01	2.09E-01	9.82E-02	2.80E-02	2.27E-03	1.22E-06	4.31E-12	0.00E+00	0.00E+00	0.00E+00	
SB126	9.93E-05	4.01E-04	4.01E-04	4.01E-04	4.01E-04	4.01E-04	4.01E-04	4.01E-04	3.98E-04	3.74E-04	3.92E-07	
SB126M	4.89E-04	1.97E-03	1.97E-03	1.97E-03	1.97E-03	1.97E-03	1.97E-03	1.97E-03	1.96E-03	1.84E-03	1.93E-06	
TE125M	2.75E-01	2.08E-02	1.37E-02	6.44E-03	1.84E-03	1.49E-04	7.99E-08	2.83E-13	0.00E+00	0.00E+00	0.00E+00	
CS134	2.11E+02	1.51E+02	1.08E+02	3.94E+01	7.33E+00	2.55E-01	1.06E-05	5.36E-13	0.00E+00	0.00E+00	0.00E+00	
CS135	1.61E-04	1.61E-04	1.61E-04	1.61E-04	1.61E-04	1.61E-04	1.61E-04	1.61E-04	1.61E-04	1.60E-04	1.19E-04	
CS137	1.21E+02	1.19E+02	1.16E+02	1.08E+02	9.64E+01	7.65E+01	3.83E+01	1.21E+01	1.13E-08	0.00E+00	0.00E+00	
BA137M	4.08E+02	3.99E+02	3.89E+02	3.63E+02	3.24E+02	2.57E+02	1.28E+02	4.05E+01	3.79E-08	0.00E+00	0.00E+00	
CE144	1.64E+00	6.73E-01	2.76E-01	1.91E-02	2.23E-04	3.03E-08	7.58E-20	3.50E-39	0.00E+00	0.00E+00	0.00E+00	
PR144	1.82E+01	7.46E+00	3.06E+00	2.12E-01	2.47E-03	3.35E-07	8.40E-19	3.88E-38	0.00E+00	0.00E+00	0.00E+00	
PR144M	1.02E-02	4.17E-03	1.71E-03	1.18E-04	1.38E-06	1.87E-10	4.69E-22	2.17E-41	0.00E+00	0.00E+00	0.00E+00	
PM147	9.69E+00	7.44E+00	5.71E+00	2.59E+00	6.90E-01	4.92E-02	1.78E-05	3.27E-11	0.00E+00	0.00E+00	0.00E+00	
SM151	5.44E-02	5.40E-02	5.36E-02	5.23E-02	5.04E-02	4.66E-02	3.70E-02	2.52E-02	2.46E-05	0.00E+00	0.00E+00	
EU152	3.91E-02	3.71E-02	3.53E-02	3.03E-02	2.35E-02	1.41E-02	3.06E-03	2.39E-04	2.91E-24	0.00E+00	0.00E+00	
EU154	9.02E+01	8.32E+01	7.68E+01	6.03E+01	4.03E+01	1.80E+01	1.60E+00	2.86E-02	0.00E+00	0.00E+00	0.00E+00	
EU155	3.21E+00	2.79E+00	2.43E+00	1.59E+00	7.93E-01	1.96E-01	2.96E-03	2.74E-06	0.00E+00	0.00E+00	0.00E+00	
HO166M	1.11E-05	1.11E-05	1.11E-05	1.11E-05	1.11E-05	1.10E-05	1.08E-05	1.05E-05	6.26E-06	3.47E-08	0.00E+00	
Summe	1.33E+03	1.21E+03	1.13E+03	9.69E+02	8.18E+02	6.27E+02	3.03E+02	9.35E+01	9.35E-03	8.97E-03	6.01E-04	

DWR mit UO₂/MOX-Brennstoff (70/30), 1. Rezyklierung, 1. Rezyklierung, WA-Zeitpunkt 7A / MAWC
 Konzentrationen der Aktinidenelemente [G/TSM]

	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
HE	3.57E+00	3.57E+00	3.57E+00	3.57E+00	3.57E+00	3.57E+00	3.58E+00	3.58E+00	3.62E+00	3.70E+00	4.03E+00
TL	0.00E+00	1.70E-14	2.93E-14	4.88E-14	5.71E-14	5.49E-14	4.14E-14	2.57E-14	1.54E-15	1.82E-14	2.85E-13
PB	0.00E+00	2.94E-09	1.07E-08	5.10E-08	1.41E-07	3.29E-07	8.04E-07	1.35E-06	2.92E-06	3.38E-04	4.74E-01
BI	0.00E+00	9.53E-13	1.65E-12	2.77E-12	3.38E-12	4.00E-12	1.16E-11	6.18E-11	5.66E-08	6.33E-05	8.38E-01
PO	0.00E+00	4.13E-17	8.39E-17	4.53E-16	3.79E-15	2.86E-14	4.12E-13	2.94E-12	1.01E-09	4.34E-08	1.22E-07
AT	0.00E+00	4.45E-24	9.36E-24	2.67E-23	6.42E-23	1.71E-22	7.45E-22	2.58E-21	2.70E-19	2.76E-17	1.45E-15
RN	0.00E+00	1.51E-14	2.61E-14	4.37E-14	5.19E-14	5.36E-14	7.11E-14	1.85E-13	2.96E-11	1.27E-09	3.57E-09
FR	0.00E+00	4.20E-20	9.15E-20	2.82E-19	7.32E-19	2.09E-18	9.36E-18	3.07E-17	2.55E-15	2.52E-13	1.32E-11
RA	0.00E+00	8.92E-11	1.58E-10	2.94E-10	4.70E-10	1.03E-09	5.55E-09	2.54E-08	4.61E-06	1.97E-04	5.55E-04
AC	0.00E+00	6.26E-14	2.48E-13	1.50E-12	5.71E-12	2.07E-11	9.92E-11	2.78E-10	4.00E-09	4.25E-08	4.59E-07
TH	0.00E+00	5.13E-07	1.02E-06	2.55E-06	5.23E-06	1.11E-05	3.23E-05	7.72E-05	1.36E-03	1.42E-02	2.73E-01
PA	0.00E+00	8.48E-08	9.09E-08	1.09E-07	1.40E-07	2.01E-07	3.86E-07	6.95E-07	6.25E-06	6.41E-05	6.42E-04
U	9.40E+02	9.40E+02	9.40E+02	9.40E+02	9.41E+02	9.41E+02	9.41E+02	9.41E+02	9.41E+02	9.46E+02	9.54E+02
NP	2.32E+00	2.32E+00	2.32E+00	2.32E+00	2.32E+00	2.34E+00	2.42E+00	2.56E+00	3.91E+00	4.31E+00	3.13E+00
PU	1.65E+01	1.64E+01	1.63E+01	1.61E+01	1.57E+01	1.52E+01	1.46E+01	1.43E+01	1.35E+01	9.18E+00	2.81E-01
AM	1.30E-01	2.22E-01	3.09E-01	5.45E-01	8.67E-01	1.31E+00	1.80E+00	1.82E+00	4.60E-01	1.52E-02	4.68E-09
CM	1.85E-02	1.79E-02	1.73E-02	1.57E-02	1.35E-02	1.00E-02	5.00E-03	2.98E-03	2.38E-03	9.34E-04	1.01E-05
BK	0.00E+00	4.64E-23	4.64E-23	4.64E-23	4.64E-23	4.64E-23	4.63E-23	4.63E-23	4.46E-23	3.12E-23	2.35E-40
CF	0.00E+00	8.52E-20	1.66E-19	3.84E-19	6.79E-19	1.08E-18	1.53E-18	1.64E-18	1.59E-18	1.11E-18	8.35E-36
Summe	9.63E+02	9.63E+02	9.63E+02	9.63E+02	9.63E+02	9.63E+02	9.63E+02	9.63E+02	9.63E+02	9.63E+02	9.63E+02

DWR mit UO ₂ /MOX-Brennstoff (70/30), 1. Rezyklierung, WA-Zeitpunkt 7A / MAWC Radioaktivität der Aktinidennuklide [Ci/TSM]												
	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]											
	0	1	2	5	10	20	50	100	1000	10000	1000000	
PO216	0.00E+00	1.40E-05	2.40E-05	4.01E-05	4.69E-05	4.51E-05	3.39E-05	2.10E-05	5.02E-09	1.55E-09	2.66E-08	
RN220	0.00E+00	1.40E-05	2.40E-05	4.01E-05	4.69E-05	4.51E-05	3.39E-05	2.10E-05	5.02E-09	1.55E-09	2.66E-08	
RA224	0.00E+00	1.40E-05	2.40E-05	4.01E-05	4.69E-05	4.51E-05	3.39E-05	2.10E-05	5.02E-09	1.55E-09	2.66E-08	
TH228	0.00E+00	1.40E-05	2.40E-05	4.00E-05	4.69E-05	4.51E-05	3.39E-05	2.10E-05	5.02E-09	1.55E-09	2.66E-08	
TH231	0.00E+00	1.36E-05	1.36E-05	1.36E-05	1.36E-05	1.36E-05	1.36E-05	1.36E-05	1.40E-05	1.78E-05	3.03E-05	
TH234	0.00E+00	3.13E-04	3.13E-04	3.13E-04	3.13E-04	3.13E-04	3.13E-04	3.13E-04	3.13E-04	3.13E-04	3.13E-04	
PA233	0.00E+00	1.63E-03	1.63E-03	1.64E-03	1.64E-03	1.65E-03	1.70E-03	1.80E-03	2.75E-03	3.04E-03	2.21E-03	
PA234M	0.00E+00	3.13E-04	3.13E-04	3.13E-04	3.13E-04	3.13E-04	3.13E-04	3.13E-04	3.13E-04	3.13E-04	3.13E-04	
U 232	4.52E-05	4.65E-05	4.74E-05	4.85E-05	4.78E-05	4.40E-05	3.30E-05	2.04E-05	4.91E-09	1.38E-09	8.09E-10	
U 234	8.38E-04	8.55E-04	8.71E-04	9.20E-04	9.99E-04	1.15E-03	1.53E-03	2.00E-03	2.95E-03	2.89E-03	4.69E-04	
U 235	1.36E-05	1.36E-05	1.36E-05	1.36E-05	1.36E-05	1.36E-05	1.36E-05	1.36E-05	1.40E-05	1.78E-05	3.03E-05	
U 236	2.35E-04	2.35E-04	2.35E-04	2.35E-04	2.36E-04	2.36E-04	2.37E-04	2.38E-04	2.65E-04	4.30E-04	5.17E-04	
U 237	5.03E-03	4.80E-03	4.57E-03	3.96E-03	3.11E-03	1.92E-03	4.54E-04	4.09E-05	5.86E-09	2.81E-09	0.00E+00	
U 238	3.13E-04	3.13E-04	3.13E-04	3.13E-04	3.13E-04	3.13E-04	3.13E-04	3.13E-04	3.13E-04	3.13E-04	3.13E-04	
NP237	1.63E-03	1.63E-03	1.63E-03	1.64E-03	1.64E-03	1.65E-03	1.70E-03	1.80E-03	2.75E-03	3.04E-03	2.21E-03	
NP239	3.87E-01	7.75E-03	7.75E-03	7.74E-03	7.74E-03	7.73E-03	7.71E-03	7.67E-03	7.05E-03	3.03E-03	9.33E-10	
PU238	5.92E+00	5.87E+00	5.82E+00	5.69E+00	5.47E+00	5.05E+00	3.99E+00	2.69E+00	2.22E-03	6.19E-23	0.00E+00	
PU239	4.88E-01	4.88E-01	4.88E-01	4.88E-01	4.88E-01	4.88E-01	4.88E-01	4.87E-01	4.75E-01	3.67E-01	9.33E-10	
PU240	1.06E+00	1.06E+00	1.06E+00	1.06E+00	1.06E+00	1.06E+00	1.06E+00	1.05E+00	9.58E-01	3.69E-01	1.76E-09	
PU241	2.01E+02	1.92E+02	1.83E+02	1.58E+02	1.24E+02	7.68E+01	1.81E+01	1.63E+00	2.34E-04	1.12E-04	0.00E+00	
PU242	6.44E-03	6.44E-03	6.44E-03	6.44E-03	6.44E-03	6.44E-03	6.44E-03	6.43E-03	6.42E-03	6.32E-03	1.07E-03	
AM241	3.13E-01	6.27E-01	9.25E-01	1.74E+00	2.84E+00	4.37E+00	6.06E+00	6.11E+00	1.46E+00	1.13E-04	0.00E+00	
AM242M	1.98E-03	1.97E-03	1.96E-03	1.94E-03	1.89E-03	1.81E-03	1.58E-03	1.26E-03	2.08E-05	3.15E-23	0.00E+00	
AM242	1.97E-03	1.96E-03	1.95E-03	1.93E-03	1.88E-03	1.80E-03	1.57E-03	1.25E-03	2.07E-05	3.13E-23	0.00E+00	
AM243	7.75E-03	7.75E-03	7.75E-03	7.74E-03	7.74E-03	7.73E-03	7.71E-03	7.67E-03	7.05E-03	3.03E-03	9.33E-10	
CM242	1.91E-03	1.68E-03	1.63E-03	1.60E-03	1.56E-03	1.49E-03	1.30E-03	1.03E-03	1.71E-05	2.60E-23	0.00E+00	
CM243	7.16E-03	6.99E-03	6.82E-03	6.34E-03	5.61E-03	4.40E-03	2.12E-03	6.29E-04	1.97E-13	0.00E+00	0.00E+00	
CM244	1.27E+00	1.22E+00	1.18E+00	1.05E+00	8.67E-01	5.91E-01	1.88E-01	2.77E-02	3.06E-17	0.00E+00	0.00E+00	
CM245	2.54E-04	2.54E-04	2.54E-04	2.54E-04	2.54E-04	2.53E-04	2.53E-04	2.52E-04	2.34E-04	1.12E-04	0.00E+00	
CM246	3.57E-04	3.57E-04	3.57E-04	3.57E-04	3.57E-04	3.56E-04	3.55E-04	3.52E-04	3.09E-04	8.26E-05	1.25E-33	
Summe	2.10E+02	2.01E+02	1.92E+02	1.68E+02	1.35E+02	8.84E+01	2.99E+01	1.20E+01	2.92E+00	7.62E-01	3.43E-02	

DWR mit UO₂/MOX-Brennstoff (70/30), 1. Rezyklierung, WA-Zeitpunkt 7A / MAWC
 Wärmeleistung der Aktinidennuklide [W/TSM]

	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
BI212	0.00E+00	2.37E-07	4.09E-07	6.81E-07	7.97E-07	7.67E-07	5.77E-07	3.57E-07	8.54E-11	2.64E-11	4.53E-10
PO212	0.00E+00	4.75E-07	8.18E-07	1.36E-06	1.60E-06	1.53E-06	1.15E-06	7.13E-07	1.71E-10	5.27E-11	9.05E-10
PO216	0.00E+00	5.52E-07	9.51E-07	1.59E-06	1.86E-06	1.78E-06	1.34E-06	8.30E-07	1.99E-10	6.14E-11	1.05E-09
RN220	0.00E+00	5.30E-07	9.13E-07	1.52E-06	1.78E-06	1.71E-06	1.29E-06	7.96E-07	1.91E-10	5.89E-11	1.01E-09
RA224	0.00E+00	4.79E-07	8.25E-07	1.37E-06	1.61E-06	1.55E-06	1.16E-06	7.19E-07	1.72E-10	5.32E-11	9.13E-10
TH228	0.00E+00	4.57E-07	7.85E-07	1.31E-06	1.53E-06	1.47E-06	1.11E-06	6.86E-07	1.64E-10	5.07E-11	8.71E-10
TH234	0.00E+00	1.27E-07	1.27E-07	1.27E-07	1.27E-07	1.27E-07	1.27E-07	1.27E-07	1.27E-07	1.27E-07	1.27E-07
PA233	0.00E+00	3.71E-06	3.71E-06	3.71E-06	3.72E-06	3.75E-06	3.87E-06	4.10E-06	6.25E-06	6.90E-06	5.01E-06
PA234M	0.00E+00	1.55E-06	1.55E-06	1.55E-06	1.55E-06	1.55E-06	1.55E-06	1.55E-06	1.55E-06	1.55E-06	1.55E-06
U 232	1.45E-06	1.49E-06	1.52E-06	1.56E-06	1.53E-06	1.41E-06	1.06E-06	6.55E-07	1.58E-10	4.42E-11	2.60E-11
U 234	2.41E-05	2.46E-05	2.51E-05	2.65E-05	2.88E-05	3.30E-05	4.41E-05	5.75E-05	8.51E-05	8.32E-05	1.35E-05
U 235	3.77E-07	3.77E-07	3.77E-07	3.77E-07	3.77E-07	3.77E-07	3.77E-07	3.77E-07	3.90E-07	4.93E-07	8.41E-07
U 236	6.37E-06	6.37E-06	6.37E-06	6.38E-06	6.38E-06	6.39E-06	6.41E-06	6.46E-06	7.18E-06	1.16E-05	1.40E-05
U 238	7.92E-06	7.92E-06	7.92E-06	7.92E-06	7.92E-06	7.92E-06	7.92E-06	7.92E-06	7.92E-06	7.92E-06	7.93E-06
NP237	4.80E-05	4.80E-05	4.80E-05	4.81E-05	4.82E-05	4.85E-05	5.01E-05	5.30E-05	8.10E-05	8.94E-05	6.49E-05
NP239	9.36E-04	1.87E-05	1.87E-05	1.87E-05	1.87E-05	1.87E-05	1.86E-05	1.86E-05	1.70E-05	7.32E-06	2.26E-12
PU238	1.96E-01	1.95E-01	1.93E-01	1.89E-01	1.81E-01	1.68E-01	1.32E-01	8.91E-02	7.35E-05	2.05E-24	0.00E+00
PU239	1.52E-02	1.52E-02	1.52E-02	1.52E-02	1.52E-02	1.52E-02	1.52E-02	1.51E-02	1.48E-02	1.14E-02	2.90E-11
PU240	3.31E-02	3.31E-02	3.31E-02	3.31E-02	3.31E-02	3.31E-02	3.30E-02	3.28E-02	2.99E-02	1.15E-02	5.49E-11
PU241	6.20E-03	5.90E-03	5.63E-03	4.87E-03	3.83E-03	2.37E-03	5.59E-04	5.04E-05	7.22E-09	3.47E-09	0.00E+00
PU242	1.90E-04	1.90E-04	1.90E-04	1.90E-04	1.90E-04	1.90E-04	1.90E-04	1.90E-04	1.90E-04	1.87E-04	3.17E-05
AM241	1.05E-02	2.09E-02	3.09E-02	5.80E-02	9.50E-02	1.46E-01	2.02E-01	2.04E-01	4.87E-02	3.79E-06	0.00E+00
AM242M	7.82E-07	7.79E-07	7.75E-07	7.65E-07	7.47E-07	7.14E-07	6.23E-07	4.96E-07	8.20E-09	1.24E-26	0.00E+00
AM242	2.29E-06	2.28E-06	2.27E-06	2.24E-06	2.19E-06	2.09E-06	1.82E-06	1.45E-06	2.40E-08	3.64E-26	0.00E+00
AM243	2.50E-04	2.50E-04	2.50E-04	2.50E-04	2.50E-04	2.49E-04	2.49E-04	2.47E-04	2.27E-04	9.77E-05	3.01E-11
CM242	7.05E-05	6.21E-05	6.01E-05	5.89E-05	5.74E-05	5.48E-05	4.78E-05	3.81E-05	6.29E-07	9.58E-25	0.00E+00
CM243	2.63E-04	2.56E-04	2.50E-04	2.33E-04	2.06E-04	1.62E-04	7.79E-05	2.31E-05	7.24E-15	0.00E+00	0.00E+00
CM244	4.45E-02	4.28E-02	4.12E-02	3.67E-02	3.03E-02	2.07E-02	6.56E-03	9.69E-04	1.07E-18	0.00E+00	0.00E+00
CM245	8.46E-06	8.46E-06	8.46E-06	8.46E-06	8.45E-06	8.45E-06	8.43E-06	8.39E-06	7.80E-06	3.74E-06	0.00E+00
CM246	1.17E-05	1.17E-05	1.17E-05	1.17E-05	1.17E-05	1.17E-05	1.16E-05	1.15E-05	1.01E-05	2.70E-06	4.10E-35
Summe	3.07E-01	3.13E-01	3.20E-01	3.37E-01	3.60E-01	3.86E-01	3.91E-01	3.43E-01	9.40E-02	2.35E-02	8.12E-04

DWR mit UO₂/MOX-Brennstoff (70/30), 1. Rezyklierung, WA-Zeitpunkt 7A / MAWC
Radioaktivität der Spaltprodukt nuklide [Ci/TSM]

		ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
		0	1	2	5	10	20	50	100	1000	10000	1000000
H	3	4.37E+02	4.14E+02	3.91E+02	3.30E+02	2.50E+02	1.42E+02	2.64E+01	1.60E+00	0.00E+00	0.00E+00	0.00E+00
C	14	1.88E-02	1.88E-02	1.88E-02	1.88E-02	1.88E-02	1.88E-02	1.87E-02	1.86E-02	1.67E-02	5.61E-03	0.00E+00
SE	79	4.38E-04	4.38E-04	4.38E-04	4.38E-04	4.38E-04	4.38E-04	4.38E-04	4.38E-04	4.34E-04	3.94E-04	1.02E-08
SR	90	6.59E+00	6.44E+00	6.29E+00	5.85E+00	5.20E+00	4.10E+00	2.01E+00	6.10E-01	3.05E-10	0.00E+00	0.00E+00
Y	90	6.59E+00	6.44E+00	6.29E+00	5.85E+00	5.20E+00	4.10E+00	2.01E+00	6.11E-01	3.05E-10	0.00E+00	0.00E+00
ZR	93	6.98E-03	6.98E-03	6.98E-03	6.98E-03	6.98E-03	6.98E-03	6.98E-03	6.98E-03	6.98E-03	6.95E-03	4.44E-03
NB	93M	6.71E-05	3.93E-04	7.03E-04	1.54E-03	2.69E-03	4.26E-03	6.12E-03	6.59E-03	6.63E-03	6.60E-03	4.22E-03
TC	99	7.71E-03	7.71E-03	7.71E-03	7.71E-03	7.71E-03	7.71E-03	7.71E-03	7.71E-03	7.69E-03	7.46E-03	2.98E-04
RU106		1.19E+01	6.00E+00	3.02E+00	3.83E-01	1.23E-02	1.33E-05	1.47E-14	1.73E-29	0.00E+00	0.00E+00	0.00E+00
RH106		1.07E+01	6.00E+00	3.02E+00	3.83E-01	1.23E-02	1.33E-05	1.47E-14	1.73E-29	0.00E+00	0.00E+00	0.00E+00
PD107		9.83E-05	9.83E-05	9.83E-05	9.83E-05	9.83E-05	9.83E-05	9.83E-05	9.83E-05	9.83E-05	9.82E-05	8.84E-05
CD113M		4.18E-03	3.98E-03	3.80E-03	3.29E-03	2.60E-03	1.62E-03	3.88E-04	3.61E-05	9.82E-24	0.00E+00	0.00E+00
SN121M		2.18E-04	2.15E-04	2.12E-04	2.04E-04	1.90E-04	1.65E-04	1.09E-04	5.45E-05	2.07E-10	0.00E+00	0.00E+00
SN126		7.79E-04	7.79E-04	7.79E-04	7.79E-04	7.79E-04	7.79E-04	7.78E-04	7.78E-04	7.73E-04	7.27E-04	7.70E-07
SB125		1.56E+00	1.22E+00	9.47E-01	4.46E-01	1.27E-01	1.03E-02	5.53E-06	1.96E-11	0.00E+00	0.00E+00	0.00E+00
SB126		7.63E-05	1.09E-04	1.09E-04	1.09E-04	1.09E-04	1.09E-04	1.09E-04	1.09E-04	1.08E-04	1.02E-04	1.08E-07
SB126M		5.45E-04	7.79E-04	7.79E-04	7.79E-04	7.79E-04	7.79E-04	7.78E-04	7.78E-04	7.73E-04	7.27E-04	7.70E-07
TE125M		5.46E-01	2.99E-01	2.31E-01	1.09E-01	3.10E-02	2.52E-03	1.35E-06	4.78E-12	0.00E+00	0.00E+00	0.00E+00
CS134		2.08E+00	1.48E+00	1.06E+00	3.87E-01	7.21E-02	2.50E-03	1.05E-07	5.27E-15	0.00E+00	0.00E+00	0.00E+00
CS135		4.82E-05	4.82E-05	4.82E-05	4.82E-05	4.82E-05	4.82E-05	4.82E-05	4.81E-05	4.81E-05	4.80E-05	3.56E-05
CS137		1.10E+01	1.07E+01	1.05E+01	9.78E+00	8.72E+00	6.92E+00	3.46E+00	1.09E+00	1.02E-09	0.00E+00	0.00E+00
BA137M		1.04E+01	1.02E+01	9.92E+00	9.25E+00	8.24E+00	6.54E+00	3.27E+00	1.03E+00	9.64E-10	0.00E+00	0.00E+00
CE144		2.47E-01	1.02E-01	4.17E-02	2.88E-03	3.36E-05	4.56E-09	1.14E-20	5.28E-40	0.00E+00	0.00E+00	0.00E+00
PR144		2.47E-01	1.02E-01	4.17E-02	2.88E-03	3.36E-05	4.56E-09	1.14E-20	5.28E-40	0.00E+00	0.00E+00	0.00E+00
PR144M		2.97E-03	1.22E-03	5.00E-04	3.46E-05	4.03E-07	5.48E-11	1.37E-22	6.34E-42	0.00E+00	0.00E+00	0.00E+00
PM147		2.70E+00	2.07E+00	1.59E+00	7.21E-01	1.92E-01	1.37E-02	4.96E-06	9.11E-12	0.00E+00	0.00E+00	0.00E+00
SM151		4.64E-02	4.60E-02	4.56E-02	4.46E-02	4.29E-02	3.97E-02	3.15E-02	2.15E-02	2.10E-05	0.00E+00	0.00E+00
EU152		5.15E-04	4.90E-04	4.65E-04	3.99E-04	3.10E-04	1.86E-04	4.03E-05	3.16E-06	3.83E-26	0.00E+00	0.00E+00
EU154		1.01E+00	9.30E-01	8.58E-01	6.74E-01	4.50E-01	2.01E-01	1.79E-02	3.19E-04	0.00E+00	0.00E+00	0.00E+00
EU155		4.41E-01	3.83E-01	3.33E-01	2.19E-01	1.09E-01	2.70E-02	4.07E-04	3.77E-07	0.00E+00	0.00E+00	0.00E+00
Summe		5.04E+02	4.66E+02	4.35E+02	3.65E+02	2.78E+02	1.64E+02	3.73E+01	5.00E+00	4.02E-02	2.87E-02	9.08E-03

DWR mit UO ₂ /MOX-Brennstoff (70/30), 1. Rezyklierung, WA-Zeitpunkt 7A / MAWC												
Wärmeleistung der Spaltprodukt nuklide [W/TSM]												
ZEITEN NACH DER WIEDERAUFARBEITUNG [A]												
		0	1	2	5	10	20	50	100	1000	10000	1000000
H 3		1.48E-02	1.40E-02	1.32E-02	1.12E-02	8.43E-03	4.81E-03	8.93E-04	5.40E-05	0.00E+00	0.00E+00	0.00E+00
C 14		5.52E-06	5.51E-06	5.51E-06	5.51E-06	5.51E-06	5.50E-06	5.48E-06	5.45E-06	4.89E-06	1.65E-06	0.00E+00
SE 79		1.09E-07	1.09E-07	1.09E-07	1.09E-07	1.09E-07	1.09E-07	1.09E-07	1.09E-07	1.08E-07	9.81E-08	2.54E-12
SR 90		7.65E-03	7.47E-03	7.30E-03	6.79E-03	6.03E-03	4.75E-03	2.33E-03	7.08E-04	3.54E-13	0.00E+00	0.00E+00
Y 90		3.65E-02	3.57E-02	3.48E-02	3.24E-02	2.88E-02	2.27E-02	1.11E-02	3.38E-03	1.69E-12	0.00E+00	0.00E+00
ZR 93		8.11E-07	8.11E-07	8.11E-07	8.11E-07	8.11E-07	8.11E-07	8.11E-07	8.11E-07	8.11E-07	8.08E-07	5.16E-07
NB 93M		1.19E-08	6.97E-08	1.25E-07	2.74E-07	4.77E-07	7.56E-07	1.08E-06	1.17E-06	1.18E-06	1.17E-06	7.47E-07
TC 99		3.87E-06	3.87E-06	3.87E-06	3.87E-06	3.87E-06	3.87E-06	3.87E-06	3.87E-06	3.85E-06	3.74E-06	1.49E-07
RU106		7.07E-04	3.56E-04	1.79E-04	2.27E-05	7.31E-07	7.88E-10	8.70E-19	1.03E-33	0.00E+00	0.00E+00	0.00E+00
RH106		1.03E-01	5.75E-02	2.89E-02	3.68E-03	1.18E-04	1.28E-07	1.41E-16	1.66E-31	0.00E+00	0.00E+00	0.00E+00
AG110M		7.98E-06	2.90E-06	1.05E-06	5.04E-08	3.18E-10	1.27E-14	8.07E-28	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CD113M		7.03E-06	6.70E-06	6.39E-06	5.54E-06	4.37E-06	2.72E-06	6.54E-07	6.08E-08	1.65E-26	0.00E+00	0.00E+00
SN121M		4.37E-07	4.31E-07	4.25E-07	4.08E-07	3.80E-07	3.31E-07	2.18E-07	1.09E-07	4.15E-13	0.00E+00	0.00E+00
SN126		9.71E-07	9.71E-07	9.71E-07	9.71E-07	9.71E-07	9.71E-07	9.71E-07	9.71E-07	9.65E-07	9.06E-07	9.60E-10
SB125		4.89E-03	3.81E-03	2.96E-03	1.39E-03	3.97E-04	3.23E-05	1.73E-08	6.12E-14	0.00E+00	0.00E+00	0.00E+00
SB126		1.41E-06	2.01E-06	2.01E-06	2.01E-06	2.01E-06	2.01E-06	2.01E-06	2.01E-06	2.00E-06	1.88E-06	1.99E-09
SB126M		6.94E-06	9.92E-06	9.92E-06	9.92E-06	9.91E-06	9.91E-06	9.91E-06	9.91E-06	9.85E-06	9.25E-06	9.80E-09
TE125M		4.59E-04	2.51E-04	1.94E-04	9.15E-05	2.61E-05	2.12E-06	1.14E-09	4.01E-15	0.00E+00	0.00E+00	0.00E+00
CS134		2.11E-02	1.51E-02	1.08E-02	3.94E-03	7.34E-04	2.55E-05	1.06E-09	5.36E-17	0.00E+00	0.00E+00	0.00E+00
CS135		1.61E-08	1.61E-08	1.61E-08	1.61E-08	1.61E-08	1.61E-08	1.61E-08	1.61E-08	1.61E-08	1.60E-08	1.19E-08
CS137		1.21E-02	1.19E-02	1.16E-02	1.08E-02	9.64E-03	7.65E-03	3.83E-03	1.21E-03	1.13E-12	0.00E+00	0.00E+00
BA137M		4.08E-02	3.99E-02	3.89E-02	3.63E-02	3.24E-02	2.57E-02	1.28E-02	4.05E-03	3.79E-12	0.00E+00	0.00E+00
CE144		1.64E-04	6.73E-05	2.76E-05	1.91E-06	2.23E-08	3.03E-12	7.58E-24	3.50E-43	0.00E+00	0.00E+00	0.00E+00
PR144		1.82E-03	7.46E-04	3.06E-04	2.12E-05	2.47E-07	3.35E-11	8.40E-23	3.88E-42	0.00E+00	0.00E+00	0.00E+00
PR144M		1.02E-06	4.17E-07	1.71E-07	1.18E-08	1.38E-10	1.87E-14	4.69E-26	2.17E-45	0.00E+00	0.00E+00	0.00E+00
PM147		9.69E-04	7.44E-04	5.71E-04	2.59E-04	6.90E-05	4.92E-06	1.78E-09	3.27E-15	0.00E+00	0.00E+00	0.00E+00
SM151		5.44E-06	5.40E-06	5.36E-06	5.24E-06	5.04E-06	4.66E-06	3.70E-06	2.52E-06	2.46E-09	0.00E+00	0.00E+00
EU152		3.91E-06	3.71E-06	3.53E-06	3.03E-06	2.35E-06	1.41E-06	3.06E-07	2.39E-08	2.91E-28	0.00E+00	0.00E+00
EU154		9.02E-03	8.32E-03	7.68E-03	6.03E-03	4.03E-03	1.80E-03	1.60E-04	2.85E-06	0.00E+00	0.00E+00	0.00E+00
EU155		3.21E-04	2.79E-04	2.43E-04	1.59E-04	7.93E-05	1.96E-05	2.96E-07	2.74E-10	0.00E+00	0.00E+00	0.00E+00
Summe		2.54E-01	1.96E-01	1.58E-01	1.13E-01	9.08E-02	6.75E-02	3.12E-02	9.43E-03	2.37E-05	1.95E-05	1.44E-06

DWR mit UO₂/MOX-Brennstoff (70/30), 1. Rezyklierung, WA-Zeitpunkt 7A / FKS
 Konzentrationen der Aktinidenelemente [G/TSM]

	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
HE	3.57E+00	3.57E+00	3.57E+00	3.58E+00	3.58E+00	3.58E+00	3.60E+00	3.63E+00	3.88E+00	4.32E+00	5.84E+00
TL	0.00E+00	5.17E-14	9.02E-14	1.55E-13	1.86E-13	1.81E-13	1.37E-13	8.48E-14	4.65E-15	6.05E-14	1.14E-12
PB	0.00E+00	8.89E-09	3.26E-08	1.59E-07	4.48E-07	1.06E-06	2.64E-06	4.43E-06	1.03E-05	1.49E-03	1.99E+00
BI	0.00E+00	2.90E-12	5.06E-12	8.76E-12	1.08E-11	1.18E-11	1.85E-11	5.50E-11	9.18E-08	2.15E-04	3.07E+00
PO	0.00E+00	1.25E-16	2.57E-16	1.39E-15	1.17E-14	9.10E-14	1.40E-12	1.07E-11	4.46E-09	1.93E-07	4.49E-07
AT	0.00E+00	1.27E-23	2.54E-23	6.36E-23	1.27E-22	2.57E-22	6.94E-22	1.82E-21	5.18E-19	9.65E-17	5.34E-15
RN	0.00E+00	4.60E-14	8.03E-14	1.38E-13	1.69E-13	1.77E-13	2.41E-13	6.80E-13	1.30E-10	5.64E-09	1.31E-08
FR	0.00E+00	1.20E-19	2.50E-19	6.96E-19	1.61E-18	3.96E-18	1.41E-17	3.83E-17	5.02E-15	8.80E-13	4.85E-11
RA	0.00E+00	2.71E-10	4.84E-10	9.27E-10	1.51E-09	3.33E-09	1.92E-08	9.45E-08	2.02E-05	8.78E-04	2.04E-03
AC	0.00E+00	1.88E-13	7.44E-13	4.51E-12	1.71E-11	6.21E-11	2.98E-10	8.33E-10	1.21E-08	1.40E-07	1.94E-06
TH	0.00E+00	1.55E-06	3.08E-06	7.84E-06	1.64E-05	3.61E-05	1.13E-04	2.90E-04	5.87E-03	6.17E-02	1.11E+00
PA	0.00E+00	1.86E-08	3.73E-08	9.33E-08	1.87E-07	3.75E-07	9.45E-07	1.90E-06	1.90E-05	2.11E-04	2.75E-03
U	2.82E+03	2.82E+03	2.82E+03	2.82E+03	2.82E+03	2.82E+03	2.82E+03	2.82E+03	2.83E+03	2.85E+03	2.89E+03
NP	0.00E+00	1.04E-02	2.15E-02	5.87E-02	1.31E-01	3.07E-01	9.47E-01	2.07E+00	1.26E+01	1.58E+01	1.15E+01
PU	8.25E+01	8.20E+01	8.15E+01	8.03E+01	7.86E+01	7.61E+01	7.29E+01	7.15E+01	6.78E+01	4.72E+01	1.41E+00
AM	9.11E+00	9.56E+00	9.99E+00	1.11E+01	1.27E+01	1.48E+01	1.70E+01	1.66E+01	5.79E+00	1.06E+00	9.42E-10
CM	0.00E+00	2.80E-05	3.45E-05	3.80E-05	4.05E-05	4.37E-05	4.70E-05	4.74E-05	6.30E-05	3.32E-05	2.07E-06
BK	2.10E-07	9.51E-08	4.31E-08	4.02E-09	7.71E-11	2.83E-14	1.40E-24	9.39E-42	0.00E+00	0.00E+00	0.00E+00
CF	7.75E-05	7.66E-05	7.57E-05	7.33E-05	7.00E-05	6.52E-05	5.77E-05	5.15E-05	9.33E-06	9.58E-10	0.00E+00
Summe	2.92E+03	2.92E+03	2.92E+03	2.92E+03	2.92E+03	2.92E+03	2.92E+03	2.92E+03	2.92E+03	2.92E+03	2.92E+03

DWR mit UO ₂ /MOX-Brennstoff (70/30), 1. Rezyklierung, WA-Zeitpunkt 7A / FKS Radioaktivität der Aktinidennuklide [Ci/TSM]												
	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]											
	0	1	2	5	10	20	50	100	1000	10000	100000	
PB212	0.00E+00	4.24E-05	7.40E-05	1.27E-04	1.53E-04	1.49E-04	1.12E-04	6.94E-05	1.20E-08	6.28E-10	1.06E-07	
BI212	0.00E+00	4.24E-05	7.40E-05	1.27E-04	1.53E-04	1.49E-04	1.12E-04	6.94E-05	1.20E-08	6.28E-10	1.06E-07	
PO216	0.00E+00	4.24E-05	7.40E-05	1.27E-04	1.53E-04	1.49E-04	1.12E-04	6.94E-05	1.20E-08	6.28E-10	1.06E-07	
RN220	0.00E+00	4.24E-05	7.40E-05	1.27E-04	1.53E-04	1.49E-04	1.12E-04	6.94E-05	1.20E-08	6.28E-10	1.06E-07	
RA224	0.00E+00	4.24E-05	7.40E-05	1.27E-04	1.53E-04	1.49E-04	1.12E-04	6.94E-05	1.20E-08	6.28E-10	1.06E-07	
TH228	0.00E+00	4.24E-05	7.38E-05	1.27E-04	1.52E-04	1.49E-04	1.12E-04	6.94E-05	1.20E-08	6.28E-10	1.06E-07	
TH231	0.00E+00	4.07E-05	4.07E-05	4.07E-05	4.07E-05	4.08E-05	4.08E-05	4.10E-05	4.31E-05	6.21E-05	1.30E-04	
TH234	0.00E+00	9.39E-04	9.39E-04	9.39E-04	9.39E-04	9.39E-04	9.39E-04	9.39E-04	9.39E-04	9.39E-04	9.41E-04	
PA233	0.00E+00	7.35E-06	1.52E-05	4.14E-05	9.27E-05	2.16E-04	6.68E-04	1.46E-03	8.89E-03	1.12E-02	8.10E-03	
PA234M	0.00E+00	9.39E-04	9.39E-04	9.39E-04	9.39E-04	9.39E-04	9.39E-04	9.39E-04	9.39E-04	9.39E-04	9.41E-04	
U 232	1.36E-04	1.43E-04	1.48E-04	1.56E-04	1.57E-04	1.45E-04	1.09E-04	6.75E-05	1.17E-08	0.00E+00	0.00E+00	
U 234	2.51E-03	2.60E-03	2.68E-03	2.92E-03	3.32E-03	4.07E-03	5.98E-03	8.32E-03	1.32E-02	1.29E-02	1.66E-03	
U 235	4.07E-05	4.07E-05	4.07E-05	4.07E-05	4.07E-05	4.08E-05	4.08E-05	4.10E-05	4.31E-05	6.21E-05	1.30E-04	
U 236	7.06E-04	7.06E-04	7.06E-04	7.06E-04	7.07E-04	7.09E-04	7.13E-04	7.21E-04	8.55E-04	1.67E-03	2.12E-03	
U 237	1.51E-02	2.40E-02	2.28E-02	1.98E-02	1.55E-02	9.61E-03	2.27E-03	2.04E-04	2.08E-10	1.18E-10	0.00E+00	
U 238	9.39E-04	9.39E-04	9.39E-04	9.39E-04	9.39E-04	9.39E-04	9.39E-04	9.39E-04	9.39E-04	9.39E-04	9.41E-04	
NP237	0.00E+00	7.35E-06	1.52E-05	4.14E-05	9.27E-05	2.16E-04	6.68E-04	1.46E-03	8.89E-03	1.12E-02	8.10E-03	
NP238	0.00E+00	6.90E-04	6.87E-04	6.78E-04	6.63E-04	6.33E-04	5.52E-04	4.40E-04	7.27E-06	1.10E-23	0.00E+00	
NP239	0.00E+00	5.42E-01	5.42E-01	5.42E-01	5.42E-01	5.41E-01	5.40E-01	5.37E-01	4.94E-01	2.12E-01	1.88E-10	
PU238	2.96E+01	2.94E+01	2.91E+01	2.84E+01	2.73E+01	2.53E+01	2.00E+01	1.35E+01	1.22E-02	4.33E-21	0.00E+00	
PU239	2.44E+00	2.44E+00	2.44E+00	2.44E+00	2.44E+00	2.44E+00	2.44E+00	2.44E+00	2.39E+00	1.92E+00	1.89E-10	
PU240	5.31E+00	5.31E+00	5.31E+00	5.31E+00	5.30E+00	5.30E+00	5.28E+00	5.25E+00	4.78E+00	1.84E+00	8.79E-09	
PU241	1.01E+03	9.58E+02	9.13E+02	7.90E+02	6.21E+02	3.84E+02	9.06E+01	8.17E+00	8.32E-06	4.71E-06	0.00E+00	
PU242	3.22E-02	3.22E-02	3.22E-02	3.22E-02	3.22E-02	3.22E-02	3.22E-02	3.22E-02	3.21E-02	3.16E-02	5.37E-03	
AM241	2.19E+01	2.34E+01	2.49E+01	2.89E+01	3.42E+01	4.15E+01	4.91E+01	4.79E+01	1.14E+01	1.09E-05	0.00E+00	
AM242M	1.39E-01	1.38E-01	1.37E-01	1.36E-01	1.33E-01	1.27E-01	1.10E-01	8.79E-02	1.45E-03	2.21E-21	0.00E+00	
AM242	1.38E-01	1.37E-01	1.37E-01	1.35E-01	1.32E-01	1.26E-01	1.10E-01	8.75E-02	1.45E-03	2.19E-21	0.00E+00	
AM243	5.42E-01	5.42E-01	5.42E-01	5.42E-01	5.42E-01	5.41E-01	5.40E-01	5.37E-01	4.94E-01	2.12E-01	1.88E-10	
CM242	0.00E+00	8.95E-02	1.08E-01	1.12E-01	1.09E-01	1.04E-01	9.09E-02	7.24E-02	1.20E-03	1.82E-21	0.00E+00	
CF249	2.46E-04	2.46E-04	2.46E-04	2.44E-04	2.42E-04	2.37E-04	2.24E-04	2.03E-04	3.42E-05	6.38E-13	0.00E+00	
Summe	1.07E+03	1.02E+03	9.76E+02	8.57E+02	6.92E+02	4.60E+02	1.69E+02	7.86E+01	1.96E+01	4.26E+00	1.27E-01	

DWR mit UO₂/MOX-Brennstoff (70/30), 1. Rezyklierung, WA-Zeitpunkt 7A / FKS
 Wärmeleistung der Aktinidennuklide [W/TSM]

	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
TL208	0.00E+00	3.58E-07	6.25E-07	1.07E-06	1.29E-06	1.26E-06	9.48E-07	5.86E-07	1.02E-10	5.31E-12	8.95E-10
BI212	0.00E+00	7.22E-07	1.26E-06	2.16E-06	2.59E-06	2.53E-06	1.91E-06	1.18E-06	2.05E-10	1.07E-11	1.80E-09
PO212	0.00E+00	1.44E-06	2.52E-06	4.32E-06	5.19E-06	5.06E-06	3.82E-06	2.36E-06	4.09E-10	2.14E-11	3.60E-09
PO216	0.00E+00	1.68E-06	2.93E-06	5.02E-06	6.04E-06	5.89E-06	4.44E-06	2.75E-06	4.76E-10	2.49E-11	4.19E-09
RN220	0.00E+00	1.61E-06	2.81E-06	4.82E-06	5.79E-06	5.65E-06	4.26E-06	2.63E-06	4.57E-10	2.39E-11	4.02E-09
RA224	0.00E+00	1.46E-06	2.54E-06	4.35E-06	5.23E-06	5.11E-06	3.85E-06	2.38E-06	4.13E-10	2.16E-11	3.63E-09
TH228	0.00E+00	1.39E-06	2.42E-06	4.15E-06	4.99E-06	4.87E-06	3.67E-06	2.27E-06	3.94E-10	2.06E-11	3.47E-09
PA233	0.00E+00	1.67E-08	3.45E-08	9.39E-08	2.10E-07	4.91E-07	1.52E-06	3.32E-06	2.02E-05	2.53E-05	1.84E-05
PA234M	0.00E+00	4.64E-06	4.64E-06	4.64E-06	4.64E-06	4.64E-06	4.64E-06	4.64E-06	4.64E-06	4.64E-06	4.65E-06
U 232	4.35E-06	4.58E-06	4.75E-06	5.01E-06	5.04E-06	4.67E-06	3.51E-06	2.17E-06	3.75E-10	0.00E+00	0.00E+00
U 234	7.24E-05	7.48E-05	7.71E-05	8.42E-05	9.56E-05	1.17E-04	1.72E-04	2.39E-04	3.79E-04	3.70E-04	4.78E-05
U 235	1.13E-06	1.13E-06	1.13E-06	1.13E-06	1.13E-06	1.13E-06	1.13E-06	1.14E-06	1.20E-06	1.72E-06	3.60E-06
U 236	1.91E-05	1.91E-05	1.91E-05	1.91E-05	1.92E-05	1.92E-05	1.93E-05	1.95E-05	2.32E-05	4.54E-05	5.76E-05
U 238	2.38E-05	2.38E-05	2.38E-05	2.38E-05	2.38E-05	2.38E-05	2.38E-05	2.38E-05	2.38E-05	2.38E-05	2.38E-05
NP237	0.00E+00	2.16E-07	4.46E-07	1.22E-06	2.72E-06	6.36E-06	1.96E-05	4.29E-05	2.61E-04	3.28E-04	2.38E-04
NP238	0.00E+00	3.31E-06	3.29E-06	3.25E-06	3.17E-06	3.03E-06	2.64E-06	2.11E-06	3.48E-08	5.28E-26	0.00E+00
NP239	0.00E+00	1.31E-03	1.31E-03	1.31E-03	1.31E-03	1.31E-03	1.30E-03	1.30E-03	1.19E-03	5.13E-04	4.54E-13
PU238	9.81E-01	9.73E-01	9.66E-01	9.43E-01	9.07E-01	8.38E-01	6.62E-01	4.47E-01	4.06E-04	1.44E-22	0.00E+00
PU239	7.59E-02	7.59E-02	7.59E-02	7.59E-02	7.59E-02	7.59E-02	7.58E-02	7.57E-02	7.42E-02	5.96E-02	5.87E-12
PU240	1.65E-01	1.65E-01	1.65E-01	1.65E-01	1.65E-01	1.65E-01	1.65E-01	1.64E-01	1.49E-01	5.73E-02	2.74E-10
PU241	3.10E-02	2.95E-02	2.81E-02	2.44E-02	1.91E-02	1.18E-02	2.79E-03	2.52E-04	2.56E-10	1.45E-10	0.00E+00
PU242	9.50E-04	9.50E-04	9.50E-04	9.50E-04	9.50E-04	9.50E-04	9.50E-04	9.50E-04	9.49E-04	9.34E-04	1.59E-04
AM241	7.32E-01	7.84E-01	8.32E-01	9.65E-01	1.14E+00	1.39E+00	1.64E+00	1.60E+00	3.80E-01	3.63E-07	0.00E+00
AM242M	5.48E-05	5.45E-05	5.43E-05	5.35E-05	5.23E-05	5.00E-05	4.36E-05	3.47E-05	5.74E-07	8.71E-25	0.00E+00
AM242	1.60E-04	1.60E-04	1.59E-04	1.57E-04	1.53E-04	1.46E-04	1.28E-04	1.02E-04	1.68E-06	2.55E-24	0.00E+00
AM243	1.75E-02	1.75E-02	1.75E-02	1.75E-02	1.75E-02	1.75E-02	1.74E-02	1.73E-02	1.59E-02	6.84E-03	6.06E-12
CM242	0.00E+00	3.30E-03	3.98E-03	4.12E-03	4.02E-03	3.84E-03	3.35E-03	2.67E-03	4.41E-05	6.71E-23	0.00E+00
CF249	9.18E-06	9.18E-06	9.17E-06	9.12E-06	9.03E-06	8.85E-06	8.34E-06	7.56E-06	1.28E-06	2.38E-14	0.00E+00
CF250	6.08E-05	5.76E-05	5.47E-05	4.66E-05	3.58E-05	2.11E-05	4.30E-06	3.04E-07	5.97E-28	0.00E+00	0.00E+00
CF251	1.25E-07	1.25E-07	1.25E-07	1.24E-07	1.24E-07	1.23E-07	1.20E-07	1.16E-07	5.77E-08	5.56E-11	0.00E+00
Summe	2.00E+00	2.05E+00	2.09E+00	2.20E+00	2.34E+00	2.50E+00	2.57E+00	2.31E+00	6.23E-01	1.26E-01	3.03E-03

DWR mit UO₂/MOX-Brennstoff (70/30), 1. Rezyklierung, WA-Zeitpunkt 7A / FKS
Radioaktivität der Spaltprodukt nuklide [Ci/TSM]

		ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
		0	1	2	5	10	20	50	100	1000	10000	1000000
H	3	4.37E+02	4.14E+02	3.91E+02	3.30E+02	2.50E+02	1.42E+02	2.64E+01	1.60E+00	0.00E+00	0.00E+00	0.00E+00
C	14	1.88E-02	1.88E-02	1.88E-02	1.88E-02	1.88E-02	1.88E-02	1.87E-02	1.86E-02	1.67E-02	5.61E-03	0.00E+00
SE	79	1.75E-01	1.75E-01	1.75E-01	1.75E-01	1.75E-01	1.75E-01	1.75E-01	1.75E-01	1.74E-01	1.58E-01	4.08E-06
ZR	93	6.98E-01	6.98E-01	6.98E-01	6.98E-01	6.98E-01	6.98E-01	6.98E-01	6.98E-01	6.98E-01	6.95E-01	4.44E-01
NB	93M	6.37E-01	6.39E-01	6.40E-01	6.43E-01	6.48E-01	6.54E-01	6.61E-01	6.63E-01	6.63E-01	6.60E-01	4.22E-01
NB	94	2.50E-04	2.50E-04	2.50E-04	2.50E-04	2.50E-04	2.50E-04	2.49E-04	2.49E-04	2.41E-04	1.78E-04	3.73E-19
NB	95M	1.13E-08	8.00E-11	1.53E-12	1.07E-17	2.76E-26	1.82E-43	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TC	99	3.08E+00	3.08E+00	3.08E+00	3.08E+00	3.08E+00	3.08E+00	3.08E+00	3.08E+00	3.07E+00	2.99E+00	1.19E-01
RU	106	3.58E+03	1.80E+03	9.05E+02	1.15E+02	3.70E+00	4.03E-03	4.45E-12	5.24E-27	0.00E+00	0.00E+00	0.00E+00
RH	106	2.98E+03	1.80E+03	9.05E+02	1.15E+02	3.70E+00	4.03E-03	4.45E-12	5.24E-27	0.00E+00	0.00E+00	0.00E+00
PD	107	3.28E-02	3.28E-02	3.28E-02	3.28E-02	3.28E-02	3.28E-02	3.28E-02	3.28E-02	3.28E-02	3.27E-02	2.95E-02
AG	108	3.88E-06	3.86E-06	3.84E-06	3.78E-06	3.68E-06	3.48E-06	2.96E-06	2.25E-06	1.66E-08	7.81E-30	0.00E+00
AG	108M	4.36E-05	4.34E-05	4.31E-05	4.24E-05	4.13E-05	3.91E-05	3.32E-05	2.53E-05	1.86E-07	8.78E-29	0.00E+00
AG	109M	4.72E-07	5.76E-08	3.34E-08	6.50E-09	4.25E-10	1.82E-12	1.42E-19	2.03E-31	0.00E+00	0.00E+00	0.00E+00
AG	110	6.04E-02	2.19E-02	7.96E-03	3.81E-04	2.41E-06	9.61E-11	6.11E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00
AG	110M	4.54E+00	1.65E+00	5.99E-01	2.87E-02	1.81E-04	7.23E-09	4.59E-22	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CD	109	9.94E-08	5.76E-08	3.34E-08	6.50E-09	4.25E-10	1.82E-12	1.42E-19	2.03E-31	0.00E+00	0.00E+00	0.00E+00
CD	113M	8.35E+00	7.97E+00	7.60E+00	6.59E+00	5.19E+00	3.23E+00	7.77E-01	7.23E-02	1.96E-20	0.00E+00	0.00E+00
SN	119M	9.13E-02	3.25E-02	1.16E-02	5.22E-04	2.98E-06	9.73E-11	3.38E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SN	121M	1.74E-01	1.72E-01	1.70E-01	1.63E-01	1.52E-01	1.32E-01	8.72E-02	4.36E-02	1.66E-07	0.00E+00	0.00E+00
SN	123	2.25E-03	3.17E-04	4.46E-05	1.25E-07	6.96E-12	2.15E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SN	126	6.23E-01	6.23E-01	6.23E-01	6.23E-01	6.23E-01	6.23E-01	6.23E-01	6.23E-01	6.19E-01	5.81E-01	6.31E-04
SB	124	1.73E-10	2.59E-12	3.86E-14	1.28E-19	9.50E-29	5.21E-47	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SB	125	2.12E+03	1.65E+03	1.29E+03	6.05E+02	1.73E+02	1.40E+01	7.51E-03	2.66E-08	0.00E+00	0.00E+00	0.00E+00
SB	126	1.04E-01	8.72E-02	8.72E-02	8.72E-02	8.72E-02	8.72E-02	8.72E-02	8.72E-02	8.66E-02	8.14E-02	8.83E-05
SB	126M	7.40E-01	6.23E-01	6.23E-01	6.23E-01	6.23E-01	6.23E-01	6.23E-01	6.23E-01	6.19E-01	5.81E-01	6.31E-04
TE	123M	2.15E-06	2.59E-07	3.12E-08	5.52E-11	1.41E-15	9.21E-25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TE	125M	2.18E+02	3.99E+02	3.14E+02	1.48E+02	4.21E+01	3.42E+00	1.83E-03	6.48E-09	0.00E+00	0.00E+00	0.00E+00
TE	127	5.52E-04	5.42E-05	5.31E-06	5.01E-09	4.55E-14	3.74E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TE	127M	5.64E-04	5.53E-05	5.42E-06	5.12E-09	4.64E-14	3.82E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Summe		9.49E+03	6.08E+03	3.81E+03	1.33E+03	4.83E+02	1.69E+02	3.33E+01	7.72E+00	5.98E+00	5.78E+00	1.02E+00

DWR mit UO ₂ /MOX-Brennstoff (70/30), 1. Rezyklierung, WA-Zeitpunkt 7A / FKS												
Wärmeleistung der Spaltprodukt nuklide [W/TSM]												
ZEITEN NACH DER WIEDERAUFARBEITUNG [A]												
		0	1	2	5	10	20	50	100	1000	10000	1000000
H	3	1.48E-02	1.40E-02	1.32E-02	1.12E-02	8.43E-03	4.81E-03	8.93E-04	5.40E-05	0.00E+00	0.00E+00	0.00E+00
C	14	5.52E-06	5.51E-06	5.51E-06	5.51E-06	5.51E-06	5.50E-06	5.48E-06	5.45E-06	4.89E-06	1.65E-06	0.00E+00
SE	79	4.37E-05	4.37E-05	4.37E-05	4.37E-05	4.37E-05	4.37E-05	4.36E-05	4.36E-05	4.32E-05	3.92E-05	1.02E-09
ZR	93	8.11E-05	8.11E-05	8.11E-05	8.11E-05	8.11E-05	8.11E-05	8.11E-05	8.11E-05	8.11E-05	8.08E-05	5.16E-05
ZR	95	2.85E-09	5.46E-11	1.04E-12	7.33E-18	1.88E-26	1.24E-43	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NB	93M	1.13E-04	1.13E-04	1.13E-04	1.14E-04	1.15E-04	1.16E-04	1.17E-04	1.18E-04	1.18E-04	1.17E-04	7.47E-05
NB	94	2.55E-06	2.55E-06	2.55E-06	2.54E-06	2.54E-06	2.54E-06	2.54E-06	2.54E-06	2.46E-06	1.81E-06	3.80E-21
NB	95	1.69E-08	1.27E-10	2.28E-12	1.54E-17	3.96E-26	2.61E-43	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TC	99	1.55E-03	1.55E-03	1.55E-03	1.55E-03	1.55E-03	1.55E-03	1.55E-03	1.55E-03	1.54E-03	1.50E-03	5.98E-05
RU	106	2.12E-01	1.07E-01	5.36E-02	6.82E-03	2.19E-04	2.39E-07	2.64E-16	3.11E-31	0.00E+00	0.00E+00	0.00E+00
RH	106	2.86E+01	1.73E+01	8.68E+00	1.10E+00	3.55E-02	3.86E-05	4.26E-14	5.03E-29	0.00E+00	0.00E+00	0.00E+00
PD	107	1.94E-06	1.94E-06	1.94E-06	1.94E-06	1.94E-06	1.94E-06	1.94E-06	1.94E-06	1.94E-06	1.94E-06	1.75E-06
AG	108	1.45E-08	1.44E-08	1.43E-08	1.41E-08	1.37E-08	1.30E-08	1.10E-08	8.38E-09	6.18E-11	2.91E-32	0.00E+00
AG	108M	4.24E-07	4.22E-07	4.20E-07	4.13E-07	4.02E-07	3.80E-07	3.23E-07	2.46E-07	1.81E-09	8.54E-31	0.00E+00
AG	109M	2.43E-10	2.97E-11	1.72E-11	3.35E-12	2.19E-13	9.37E-16	7.32E-23	1.04E-34	0.00E+00	0.00E+00	0.00E+00
AG	110	4.34E-04	1.58E-04	5.72E-05	2.74E-06	1.73E-08	6.91E-13	4.39E-26	0.00E+00	0.00E+00	0.00E+00	0.00E+00
AG	110M	7.58E-02	2.75E-02	1.00E-02	4.79E-04	3.02E-06	1.21E-10	7.67E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CD	109	6.33E-11	3.67E-11	2.13E-11	4.14E-12	2.71E-13	1.16E-15	9.03E-23	1.29E-34	0.00E+00	0.00E+00	0.00E+00
CD	113M	1.41E-02	1.34E-02	1.28E-02	1.11E-02	8.74E-03	5.44E-03	1.31E-03	1.22E-04	3.31E-23	0.00E+00	0.00E+00
SN	119M	4.72E-05	1.68E-05	5.98E-06	2.70E-07	1.54E-09	5.03E-14	1.75E-27	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SN	121M	3.50E-04	3.45E-04	3.40E-04	3.26E-04	3.04E-04	2.65E-04	1.75E-04	8.74E-05	3.32E-10	0.00E+00	0.00E+00
SN	123	7.02E-06	9.89E-07	1.39E-07	3.91E-10	2.17E-14	6.71E-23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SN	126	7.77E-04	7.77E-04	7.77E-04	7.77E-04	7.77E-04	7.77E-04	7.77E-04	7.76E-04	7.72E-04	7.25E-04	7.87E-07
SB	125	6.64E+00	5.17E+00	4.02E+00	1.89E+00	5.39E-01	4.38E-02	2.35E-05	8.30E-11	0.00E+00	0.00E+00	0.00E+00
SB	126	1.91E-03	1.61E-03	1.61E-03	1.61E-03	1.61E-03	1.61E-03	1.61E-03	1.61E-03	1.60E-03	1.50E-03	1.63E-06
SB	126M	9.42E-03	7.93E-03	7.93E-03	7.93E-03	7.93E-03	7.93E-03	7.93E-03	7.93E-03	7.88E-03	7.40E-03	8.03E-06
TE	123M	3.13E-09	3.77E-10	4.55E-11	8.04E-14	2.05E-18	1.34E-27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TE	125M	1.83E-01	3.36E-01	2.64E-01	1.24E-01	3.54E-02	2.87E-03	1.54E-06	5.45E-12	0.00E+00	0.00E+00	0.00E+00
TE	127	7.46E-07	7.31E-08	7.17E-09	6.77E-12	6.14E-17	5.05E-27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TE	127M	3.03E-07	2.97E-08	2.92E-09	2.75E-12	2.50E-17	2.05E-27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Summe		3.65E+01	2.29E+01	1.31E+01	3.16E+00	6.40E-01	6.93E-02	1.45E-02	1.24E-02	1.20E-02	1.14E-02	1.98E-04

DWR mit UO₂/MOX-Brennstoff (70/30), 1. Rezyklierung, WA-Zeitpunkt 7A / Brennelementfertigung
 Konzentrationen der Aktinidenelemente [G/TSM]

	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
HE	3.57E+00	3.57E+00	3.57E+00	3.58E+00	3.58E+00	3.59E+00	3.62E+00	3.67E+00	4.09E+00	5.05E+00	8.54E+00
TL	0.00E+00	3.37E-13	5.77E-13	9.44E-13	1.09E-12	1.03E-12	7.77E-13	4.82E-13	3.02E-14	3.10E-13	3.14E-12
PB	0.00E+00	5.84E-08	2.11E-07	9.98E-07	2.72E-06	6.26E-06	1.52E-05	2.54E-05	5.23E-05	4.87E-03	7.23E+00
BI	0.00E+00	1.89E-11	3.24E-11	5.35E-11	6.35E-11	6.88E-11	1.13E-10	3.13E-10	1.51E-07	3.12E-04	4.46E+00
PO	0.00E+00	8.19E-16	1.66E-15	8.93E-15	7.42E-14	5.51E-13	7.59E-12	5.12E-11	1.47E-08	6.20E-07	2.12E+06
AT	0.00E+00	8.48E-23	1.70E-22	4.24E-22	8.48E-22	1.70E-21	4.28E-21	9.06E-21	7.99E-19	1.40E-16	7.74E-15
RN	0.00E+00	3.00E-13	5.14E-13	8.45E-13	9.87E-13	1.01E-12	1.31E-12	3.22E-12	4.29E-10	1.81E-08	6.19E-08
FR	0.00E+00	8.03E-19	1.67E-18	4.63E-18	1.07E-17	2.62E-17	9.08E-17	2.28E-16	9.33E-15	1.29E-12	7.05E-11
RA	0.00E+00	1.77E-09	3.10E-09	5.70E-09	9.02E-09	1.95E-08	1.01E-07	4.36E-07	6.67E-05	2.82E-03	9.63E-03
AC	0.00E+00	1.25E-12	4.96E-12	3.00E-11	1.14E-10	4.14E-10	1.98E-09	5.55E-09	7.94E-08	7.91E-07	6.73E-06
TH	0.00E+00	1.02E-05	2.02E-05	5.02E-05	1.02E-04	2.10E-04	5.79E-04	1.31E-03	2.01E-02	2.05E-01	4.18E+00
PA	0.00E+00	1.22E-07	2.44E-07	6.09E-07	1.22E-06	2.44E-06	6.12E-06	1.22E-05	1.22E-04	1.21E-03	9.98E-03
U	1.88E+04	1.88E+04	1.88E+04	1.88E+04	1.88E+04	1.88E+04	1.88E+04	1.88E+04	1.88E+04	1.89E+04	1.90E+04
NP	0.00E+00	9.01E-04	3.49E-03	2.06E-02	7.59E-02	2.61E-01	1.11E+00	2.74E+00	1.82E+01	2.30E+01	1.67E+01
PU	1.98E+02	1.97E+02	1.96E+02	1.93E+02	1.89E+02	1.83E+02	1.75E+02	1.72E+02	1.62E+02	1.10E+02	3.37E+00
AM	0.00E+00	1.10E+00	2.14E+00	4.98E+00	8.86E+00	1.42E+01	2.02E+01	2.04E+01	4.87E+00	2.64E-06	0.00E+00
Summe	1.90E+04	1.90E+04	1.90E+04	1.90E+04	1.90E+04	1.90E+04	1.90E+04	1.90E+04	1.90E+04	1.90E+04	1.90E+04

DWR mit UO ₂ /MOX-Brennstoff (70/30), 1. Rezyklierung, WA-Zeitpunkt 7A / Brennelementfertigung												
Radioaktivität der Aktinidennuklide [Ci/TSM]												
	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]											
	0	1	2	5	10	20	50	100	1000	10000	1000000	
TL208	0.00E+00	9.94E-05	1.70E-04	2.78E-04	3.20E-04	3.04E-04	2.29E-04	1.41E-04	2.45E-08	1.07E-09	1.44E-07	
PB212	0.00E+00	2.77E-04	4.73E-04	7.74E-04	8.90E-04	8.47E-04	6.37E-04	3.93E-04	6.83E-08	2.99E-09	4.00E-07	
BI212	0.00E+00	2.77E-04	4.73E-04	7.74E-04	8.90E-04	8.47E-04	6.37E-04	3.93E-04	6.83E-08	2.99E-09	4.00E-07	
PO212	0.00E+00	1.77E-04	3.03E-04	4.96E-04	5.71E-04	5.43E-04	4.08E-04	2.52E-04	4.38E-08	1.92E-09	2.57E-07	
PO216	0.00E+00	2.77E-04	4.73E-04	7.74E-04	8.90E-04	8.47E-04	6.37E-04	3.93E-04	6.83E-08	2.99E-09	4.00E-07	
RN220	0.00E+00	2.77E-04	4.73E-04	7.74E-04	8.90E-04	8.47E-04	6.37E-04	3.93E-04	6.83E-08	2.99E-09	4.00E-07	
RA224	0.00E+00	2.77E-04	4.73E-04	7.74E-04	8.90E-04	8.47E-04	6.37E-04	3.93E-04	6.83E-08	2.99E-09	4.00E-07	
TH227	0.00E+00	8.92E-11	3.54E-10	2.14E-09	8.14E-09	2.95E-08	1.42E-07	3.96E-07	5.66E-06	5.61E-05	4.65E-04	
TH228	0.00E+00	2.77E-04	4.72E-04	7.73E-04	8.90E-04	8.47E-04	6.37E-04	3.93E-04	6.83E-08	2.99E-09	4.00E-07	
TH230	0.00E+00	1.52E-07	3.05E-07	7.76E-07	1.60E-06	3.36E-06	9.53E-06	2.21E-05	3.62E-04	3.58E-03	9.52E-03	
TH231	0.00E+00	2.72E-04	2.72E-04	2.72E-04	2.72E-04	2.72E-04	2.72E-04	2.72E-04	2.77E-04	3.22E-04	4.71E-04	
TH234	0.00E+00	6.26E-03	6.26E-03	6.26E-03	6.26E-03	6.26E-03	6.26E-03	6.26E-03	6.26E-03	6.26E-03	6.26E-03	
PA231	0.00E+00	5.74E-09	1.15E-08	2.88E-08	5.75E-08	1.15E-07	2.87E-07	5.74E-07	5.74E-06	5.69E-05	4.71E-04	
PA233	0.00E+00	6.35E-07	2.46E-06	1.45E-05	5.35E-05	1.84E-04	7.85E-04	1.93E-03	1.29E-02	1.62E-02	1.17E-02	
PA234M	0.00E+00	6.26E-03	6.26E-03	6.26E-03	6.26E-03	6.26E-03	6.26E-03	6.26E-03	6.26E-03	6.26E-03	6.26E-03	
PA234	0.00E+00	8.14E-06	8.14E-06	8.14E-06	8.14E-06	8.14E-06	8.14E-06	8.14E-06	8.14E-06	8.14E-06	8.14E-06	
U 232	9.04E-04	9.16E-04	9.23E-04	9.26E-04	9.02E-04	8.26E-04	6.20E-04	3.83E-04	6.62E-08	0.00E+00	0.00E+00	
U 233	1.45E-06	1.45E-06	1.45E-06	1.45E-06	1.45E-06	1.45E-06	1.51E-06	1.81E-06	3.58E-05	6.60E-04	1.25E-02	
U 234	1.68E-02	1.70E-02	1.72E-02	1.77E-02	1.87E-02	2.05E-02	2.51E-02	3.07E-02	4.21E-02	4.12E-02	8.38E-03	
U 235	2.72E-04	2.72E-04	2.72E-04	2.72E-04	2.72E-04	2.72E-04	2.72E-04	2.72E-04	2.77E-04	3.22E-04	4.71E-04	
U 236	4.70E-03	4.70E-03	4.70E-03	4.71E-03	4.71E-03	4.71E-03	4.72E-03	4.74E-03	5.06E-03	7.03E-03	8.02E-03	
U 237	1.01E-01	5.75E-02	5.48E-02	4.75E-02	3.73E-02	2.31E-02	5.44E-03	4.91E-04	7.58E-23	4.43E-51	0.00E+00	
U 238	6.26E-03	6.26E-03	6.26E-03	6.26E-03	6.26E-03	6.26E-03	6.26E-03	6.26E-03	6.26E-03	6.26E-03	6.26E-03	
NP237	0.00E+00	6.35E-07	2.46E-06	1.45E-05	5.35E-05	1.84E-04	7.85E-04	1.93E-03	1.29E-02	1.62E-02	1.17E-02	
PU238	7.10E+01	7.04E+01	6.99E+01	6.83E+01	6.56E+01	6.06E+01	4.78E+01	3.22E+01	2.64E-02	0.00E+00	0.00E+00	
PU239	5.86E+00	5.86E+00	5.86E+00	5.86E+00	5.86E+00	5.86E+00	5.85E+00	5.84E+00	5.69E+00	4.39E+00	1.83E-12	
PU240	1.27E+01	1.27E+01	1.27E+01	1.27E+01	1.27E+01	1.27E+01	1.27E+01	1.26E+01	1.15E+01	4.42E+00	2.11E-08	
PU241	2.41E+03	2.30E+03	2.19E+03	1.90E+03	1.49E+03	9.21E+02	2.17E+02	1.96E+01	3.03E-18	1.77E-46	0.00E+00	
PU242	7.72E-02	7.72E-02	7.72E-02	7.72E-02	7.72E-02	7.72E-02	7.72E-02	7.72E-02	7.71E-02	7.59E-02	1.29E-02	
AM241	0.00E+00	3.77E+00	7.36E+00	1.71E+01	3.04E+01	4.88E+01	6.92E+01	7.01E+01	1.67E+01	9.05E-06	0.00E+00	
Summe	2.50E+03	2.39E+03	2.29E+03	2.00E+03	1.61E+03	1.05E+03	3.53E+02	1.41E+02	3.41E+01	9.02E+00	2.84E-01	

DWR mit UO₂/MOX-Brennstoff (70/30), 1. Rezyklierung, WA-Zeitpunkt 7A / Brennelementfertigung
 Wärmeleistung der Aktinidennuklide [W/TSM]

	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
TL208	0.00E+00	2.34E-06	4.00E-06	6.54E-06	7.52E-06	7.16E-06	5.38E-06	3.32E-06	5.77E-10	2.53E-11	3.38E-09
PB212	0.00E+00	5.27E-07	9.01E-07	1.47E-06	1.70E-06	1.61E-06	1.21E-06	7.49E-07	1.30E-10	5.70E-12	7.63E-10
BI212	0.00E+00	4.71E-06	8.05E-06	1.32E-05	1.51E-05	1.44E-05	1.08E-05	6.69E-06	1.16E-09	5.09E-11	6.81E-09
PO212	0.00E+00	9.42E-06	1.61E-05	2.63E-05	3.03E-05	2.88E-05	2.17E-05	1.34E-05	2.32E-09	1.02E-10	1.36E-08
PO216	0.00E+00	1.10E-05	1.87E-05	3.07E-05	3.52E-05	3.35E-05	2.52E-05	1.56E-05	2.70E-09	1.18E-10	1.59E-08
RN219	0.00E+00	3.72E-12	1.48E-11	8.95E-11	3.40E-10	1.23E-09	5.91E-09	1.65E-08	2.36E-07	2.34E-06	1.94E-05
RN220	0.00E+00	1.05E-05	1.80E-05	2.94E-05	3.38E-05	3.22E-05	2.42E-05	1.49E-05	2.59E-09	1.14E-10	1.52E-08
RA224	0.00E+00	9.50E-06	1.62E-05	2.66E-05	3.06E-05	2.91E-05	2.18E-05	1.35E-05	2.34E-09	1.03E-10	1.37E-08
TH228	0.00E+00	9.06E-06	1.55E-05	2.53E-05	2.91E-05	2.77E-05	2.08E-05	1.29E-05	2.23E-09	9.79E-11	1.31E-08
TH230	0.00E+00	4.29E-09	8.63E-09	2.20E-08	4.51E-08	9.50E-08	2.70E-07	6.26E-07	1.02E-05	1.01E-04	2.69E-04
TH231	0.00E+00	1.52E-07	1.52E-07	1.52E-07	1.52E-07	1.52E-07	1.53E-07	1.53E-07	1.56E-07	1.81E-07	2.65E-07
TH234	0.00E+00	2.54E-06	2.54E-06	2.54E-06	2.54E-06	2.54E-06	2.54E-06	2.54E-06	2.54E-06	2.54E-06	2.54E-06
PA231	0.00E+00	1.75E-10	3.51E-10	8.78E-10	1.75E-09	3.51E-09	8.76E-09	1.75E-08	1.75E-07	1.74E-06	1.44E-05
PA233	0.00E+00	1.44E-09	5.59E-09	3.30E-08	1.21E-07	4.18E-07	1.78E-06	4.39E-06	2.92E-05	3.67E-05	2.67E-05
PA234M	0.00E+00	3.09E-05	3.09E-05	3.09E-05	3.09E-05	3.09E-05	3.09E-05	3.09E-05	3.09E-05	3.09E-05	3.10E-05
PA234	0.00E+00	1.17E-07	1.17E-07	1.17E-07	1.17E-07	1.17E-07	1.17E-07	1.17E-07	1.17E-07	1.17E-07	1.17E-07
U 232	2.90E-05	2.94E-05	2.96E-05	2.97E-05	2.90E-05	2.65E-05	1.99E-05	1.23E-05	2.13E-09	0.00E+00	0.00E+00
U 233	4.21E-08	4.21E-08	4.21E-08	4.21E-08	4.21E-08	4.22E-08	4.40E-08	5.26E-08	1.04E-06	1.92E-05	3.63E-04
U 234	4.82E-04	4.88E-04	4.94E-04	5.11E-04	5.38E-04	5.90E-04	7.22E-04	8.83E-04	1.21E-03	1.19E-03	2.41E-04
U 235	7.53E-06	7.53E-06	7.53E-06	7.53E-06	7.53E-06	7.53E-06	7.54E-06	7.55E-06	7.69E-06	8.92E-06	1.31E-05
U 236	1.27E-04	1.27E-04	1.27E-04	1.27E-04	1.28E-04	1.28E-04	1.28E-04	1.28E-04	1.37E-04	1.90E-04	2.17E-04
U 237	1.90E-04	1.09E-04	1.04E-04	8.98E-05	7.06E-05	4.36E-05	1.03E-05	9.28E-07	1.43E-25	8.39E-54	0.00E+00
U 238	1.58E-04	1.58E-04	1.58E-04	1.58E-04	1.58E-04	1.58E-04	1.58E-04	1.58E-04	1.58E-04	1.58E-04	1.59E-04
NP237	0.00E+00	1.87E-08	7.23E-08	4.27E-07	1.57E-06	5.42E-06	2.31E-05	5.68E-05	3.78E-04	4.76E-04	3.45E-04
PU238	2.35E+00	2.34E+00	2.32E+00	2.26E+00	2.18E+00	2.01E+00	1.59E+00	1.07E+00	8.75E-04	0.00E+00	0.00E+00
PU239	1.82E-01	1.82E-01	1.82E-01	1.82E-01	1.82E-01	1.82E-01	1.82E-01	1.82E-01	1.77E-01	1.37E-01	5.68E-14
PU240	3.97E-01	3.97E-01	3.97E-01	3.97E-01	3.97E-01	3.96E-01	3.95E-01	3.93E-01	3.57E-01	1.38E-01	6.57E-10
PU241	7.43E-02	7.09E-02	6.75E-02	5.84E-02	4.59E-02	2.84E-02	6.70E-03	6.04E-04	9.33E-23	5.47E-51	0.00E+00
PU242	2.28E-03	2.28E-03	2.28E-03	2.28E-03	2.28E-03	2.28E-03	2.28E-03	2.28E-03	2.28E-03	2.24E-03	3.80E-04
AM241	0.00E+00	1.26E-01	2.46E-01	5.72E-01	1.02E+00	1.63E+00	2.31E+00	2.34E+00	5.59E-01	3.02E-07	0.00E+00
Summe	3.01E+00	3.12E+00	3.21E+00	3.48E+00	3.82E+00	4.25E+00	4.49E+00	3.99E+00	1.10E+00	2.79E-01	6.54E-03

DWR mit UO₂/MOX-Brennstoff (70/30), 1. Rezyklierung, WA-Zeitpunkt 7A / Summe der Abfallströme
Radioaktivität der Aktinidennuklide [Ci/TSM]

	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
RN220	3.64E-02	2.58E-02	1.83E-02	7.01E-03	2.19E-03	1.19E-03	8.75E-04	5.41E-04	3.71E-07	2.82E-07	1.27E-06
RA224	3.64E-02	2.58E-02	1.83E-02	7.01E-03	2.19E-03	1.19E-03	8.75E-04	5.41E-04	3.71E-07	2.82E-07	1.27E-06
TH228	3.63E-02	2.56E-02	1.82E-02	6.98E-03	2.18E-03	1.19E-03	8.75E-04	5.41E-04	3.71E-07	2.82E-07	1.27E-06
TH231	1.36E-02	3.57E-04	3.57E-04	3.57E-04	3.57E-04	3.57E-04	3.58E-04	3.58E-04	3.69E-04	5.28E-04	1.55E-03
TH234	3.13E-01	8.24E-03	8.23E-03	8.23E-03	8.23E-03	8.23E-03	8.23E-03	8.23E-03	8.23E-03	8.23E-03	8.24E-03
PA233	3.27E-01	3.28E-01	3.29E-01	3.32E-01	3.37E-01	3.47E-01	3.77E-01	4.24E-01	8.57E-01	9.92E-01	7.24E-01
PA234M	3.13E-01	8.24E-03	8.23E-03	8.23E-03	8.23E-03	8.23E-03	8.23E-03	8.23E-03	8.23E-03	8.23E-03	8.24E-03
U 232	1.19E-03	1.22E-03	1.24E-03	1.26E-03	1.24E-03	1.14E-03	8.52E-04	5.27E-04	3.68E-07	2.76E-07	1.62E-07
U 234	2.20E-02	2.24E-02	2.28E-02	2.39E-02	2.58E-02	2.92E-02	3.83E-02	4.99E-02	8.07E-02	7.90E-02	1.25E-02
U 235	3.57E-04	3.57E-04	3.57E-04	3.57E-04	3.57E-04	3.57E-04	3.58E-04	3.58E-04	3.69E-04	5.28E-04	1.55E-03
U 236	6.19E-03	6.19E-03	6.19E-03	6.19E-03	6.19E-03	6.21E-03	6.25E-03	6.34E-03	7.84E-03	1.71E-02	2.22E-02
U 237	1.32E-01	1.10E-01	1.05E-01	9.10E-02	7.15E-02	4.42E-02	1.05E-02	1.00E-03	5.86E-05	2.81E-05	0.00E+00
U 238	8.23E-03	8.23E-03	8.23E-03	8.23E-03	8.23E-03	8.23E-03	8.23E-03	8.23E-03	8.23E-03	8.23E-03	8.24E-03
NP237	3.27E-01	3.28E-01	3.29E-01	3.32E-01	3.37E-01	3.47E-01	3.77E-01	4.24E-01	8.57E-01	9.92E-01	7.24E-01
NP238	9.91E-02	9.86E-02	9.82E-02	9.69E-02	9.47E-02	9.05E-02	7.89E-02	6.28E-02	1.04E-03	1.57E-21	0.00E+00
NP239	7.75E+01	7.75E+01	7.75E+01	7.74E+01	7.74E+01	7.73E+01	7.71E+01	7.67E+01	7.05E+01	3.03E+01	9.33E-06
PU238	1.36E+02	1.35E+02	1.34E+02	1.31E+02	1.27E+02	1.19E+02	9.65E+01	6.88E+01	2.28E-01	6.19E-19	0.00E+00
PU239	1.12E+01	1.12E+01	1.12E+01	1.13E+01	1.13E+01	1.13E+01	1.14E+01	1.15E+01	1.31E+01	2.08E+01	9.33E-06
PU240	2.44E+01	2.57E+01	2.70E+01	3.05E+01	3.56E+01	4.32E+01	5.42E+01	5.83E+01	5.37E+01	2.07E+01	1.02E-07
PU241	4.62E+03	4.41E+03	4.20E+03	3.63E+03	2.86E+03	1.77E+03	4.19E+02	4.01E+01	2.34E+00	1.12E+00	0.00E+00
PU242	1.48E-01	1.48E-01	1.48E-01	1.48E-01	1.48E-01	1.48E-01	1.49E-01	1.49E-01	1.55E-01	1.80E-01	3.23E-02
AM241	3.13E+03	3.13E+03	3.13E+03	3.14E+03	3.14E+03	3.12E+03	3.02E+03	2.80E+03	6.64E+02	1.13E+00	0.00E+00
AM242M	1.98E+01	1.97E+01	1.96E+01	1.94E+01	1.89E+01	1.81E+01	1.58E+01	1.26E+01	2.08E-01	3.15E-19	0.00E+00
AM242	1.97E+01	1.96E+01	1.95E+01	1.93E+01	1.88E+01	1.80E+01	1.57E+01	1.25E+01	2.07E-01	3.13E-19	0.00E+00
AM243	7.75E+01	7.75E+01	7.75E+01	7.74E+01	7.74E+01	7.73E+01	7.71E+01	7.67E+01	7.05E+01	3.03E+01	9.33E-06
CM242	1.91E+01	1.68E+01	1.63E+01	1.60E+01	1.56E+01	1.49E+01	1.30E+01	1.03E+01	1.71E-01	2.60E-19	0.00E+00
CM243	7.16E+01	6.99E+01	6.82E+01	6.34E+01	5.61E+01	4.40E+01	2.12E+01	6.29E+00	1.97E-09	0.00E+00	0.00E+00
CM244	1.27E+04	1.22E+04	1.18E+04	1.05E+04	8.67E+03	5.91E+03	1.88E+03	2.77E+02	3.06E-13	0.00E+00	0.00E+00
CM245	2.54E+00	2.54E+00	2.54E+00	2.54E+00	2.54E+00	2.53E+00	2.53E+00	2.52E+00	2.34E+00	1.12E+00	0.00E+00
CM246	3.57E+00	3.57E+00	3.57E+00	3.57E+00	3.57E+00	3.56E+00	3.55E+00	3.52E+00	3.09E+00	8.26E-01	1.25E-29
Summe	2.09E+04	2.02E+04	1.96E+04	1.77E+04	1.51E+04	1.12E+04	5.71E+03	3.46E+03	8.82E+02	1.09E+02	8.61E+00

DWR mit UO ₂ /MOX-Brennstoff (70/30), 1. Rezyklierung, WA-Zeitpunkt 7A / Summe der Abfallströme Wärmeleistung der Aktinidennuklide [W/TSM]											
	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
PO212	1.24E-03	8.77E-04	6.23E-04	2.38E-04	7.45E-05	4.05E-05	2.98E-05	1.84E-05	1.26E-08	9.59E-09	4.31E-08
PO216	1.44E-03	1.02E-03	7.25E-04	2.77E-04	8.67E-05	4.71E-05	3.46E-05	2.14E-05	1.47E-08	1.12E-08	5.02E-08
RN220	1.38E-03	9.79E-04	6.96E-04	2.66E-04	8.31E-05	4.51E-05	3.32E-05	2.05E-05	1.41E-08	1.07E-08	4.81E-08
RA224	1.25E-03	8.85E-04	6.29E-04	2.41E-04	7.51E-05	4.08E-05	3.00E-05	1.86E-05	1.27E-08	9.67E-09	4.35E-08
TH228	1.19E-03	8.39E-04	5.96E-04	2.28E-04	7.14E-05	3.89E-05	2.86E-05	1.77E-05	1.21E-08	9.22E-09	4.15E-08
PA233	7.42E-04	7.44E-04	7.46E-04	7.53E-04	7.65E-04	7.88E-04	8.56E-04	9.63E-04	1.94E-03	2.25E-03	1.64E-03
PA234M	1.55E-03	4.07E-05	4.07E-05	4.07E-05	4.07E-05	4.07E-05	4.07E-05	4.07E-05	4.07E-05	4.07E-05	4.07E-05
U 232	3.82E-05	3.90E-05	3.97E-05	4.03E-05	3.96E-05	3.64E-05	2.73E-05	1.69E-05	1.18E-08	8.84E-09	5.19E-09
U 234	6.34E-04	6.45E-04	6.56E-04	6.89E-04	7.42E-04	8.42E-04	1.10E-03	1.44E-03	2.32E-03	2.27E-03	3.60E-04
U 235	9.90E-06	9.90E-06	9.90E-06	9.90E-06	9.91E-06	9.91E-06	9.92E-06	9.93E-06	1.02E-05	1.46E-05	4.31E-05
U 236	1.68E-04	1.68E-04	1.68E-04	1.68E-04	1.68E-04	1.68E-04	1.69E-04	1.72E-04	2.12E-04	4.62E-04	6.01E-04
U 238	2.08E-04	2.08E-04	2.08E-04	2.08E-04	2.08E-04	2.08E-04	2.08E-04	2.08E-04	2.08E-04	2.08E-04	2.09E-04
NP237	9.60E-03	9.63E-03	9.66E-03	9.75E-03	9.90E-03	1.02E-02	1.11E-02	1.25E-02	2.52E-02	2.92E-02	2.13E-02
NP238	4.75E-04	4.72E-04	4.70E-04	4.64E-04	4.53E-04	4.33E-04	3.78E-04	3.01E-04	4.97E-06	7.54E-24	0.00E+00
NP239	1.87E-01	1.87E-01	1.87E-01	1.87E-01	1.87E-01	1.87E-01	1.86E-01	1.86E-01	1.70E-01	7.32E-02	2.26E-08
PU238	4.51E+00	4.48E+00	4.45E+00	4.36E+00	4.21E+00	3.93E+00	3.20E+00	2.28E+00	7.57E-03	2.05E-20	0.00E+00
PU239	3.49E-01	3.49E-01	3.49E-01	3.50E-01	3.50E-01	3.51E-01	3.54E-01	3.57E-01	4.07E-01	6.46E-01	2.90E-07
PU240	7.61E-01	8.02E-01	8.42E-01	9.52E-01	1.11E+00	1.35E+00	1.69E+00	1.82E+00	1.67E+00	6.45E-01	3.19E-09
PU241	1.42E-01	1.36E-01	1.29E-01	1.12E-01	8.81E-02	5.45E-02	1.29E-02	1.24E-03	7.22E-05	3.47E-05	0.00E+00
PU242	4.37E-03	4.37E-03	4.37E-03	4.37E-03	4.38E-03	4.38E-03	4.39E-03	4.40E-03	4.58E-03	5.32E-03	9.54E-04
AM241	1.05E+02	1.05E+02	1.05E+02	1.05E+02	1.05E+02	1.04E+02	1.01E+02	9.36E+01	2.22E+01	3.76E-02	0.00E+00
AM242M	7.82E-03	7.79E-03	7.75E-03	7.65E-03	7.47E-03	7.14E-03	6.23E-03	4.96E-03	8.20E-05	1.24E-22	0.00E+00
AM242	2.29E-02	2.28E-02	2.27E-02	2.24E-02	2.19E-02	2.09E-02	1.82E-02	1.45E-02	2.40E-04	3.64E-22	0.00E+00
AM243	2.50E+00	2.50E+00	2.50E+00	2.50E+00	2.50E+00	2.49E+00	2.49E+00	2.47E+00	2.27E+00	9.77E-01	3.01E-07
CM242	7.05E-01	6.21E-01	6.01E-01	5.89E-01	5.74E-01	5.48E-01	4.78E-01	3.81E-01	6.30E-03	9.58E-21	0.00E+00
CM243	2.63E+00	2.56E+00	2.50E+00	2.33E+00	2.06E+00	1.62E+00	7.79E-01	2.31E-01	7.24E-11	0.00E+00	0.00E+00
CM244	4.45E+02	4.28E+02	4.12E+02	3.67E+02	3.03E+02	2.07E+02	6.56E+01	9.69E+00	1.07E-14	0.00E+00	0.00E+00
CM245	8.46E-02	8.46E-02	8.46E-02	8.46E-02	8.45E-02	8.45E-02	8.43E-02	8.39E-02	7.80E-02	3.74E-02	0.00E+00
CM246	1.17E-01	1.17E-01	1.17E-01	1.17E-01	1.17E-01	1.17E-01	1.16E-01	1.15E-01	1.01E-01	2.70E-02	4.10E-31
CF249	9.18E-06	9.18E-06	9.17E-06	9.12E-06	9.03E-06	8.85E-06	8.34E-06	7.56E-06	1.28E-06	2.38E-14	0.00E+00
Summe	5.61E+02	5.45E+02	5.28E+02	4.84E+02	4.20E+02	3.22E+02	1.76E+02	1.11E+02	2.69E+01	2.49E+00	2.07E-01

DWR mit UO₂/MOX-Brennstoff (70/30), 1. Rezyklierung, WA-Zeitpunkt 7A / Summe der Abfallströme
 Konzentrationen der Spaltproduktelemente [G/TSM]

	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]											
	0	1	2	5	10	20	50	100	1000	10000	1000000	
GE	4.80E-01	4.80E-01	4.80E-01	4.80E-01	4.80E-01	4.80E-01	4.80E-01	4.80E-01	4.80E-01	4.80E-01	4.80E-01	4.80E-01
SE	6.33E+01	6.33E+01	6.33E+01	6.33E+01	6.33E+01	6.33E+01	6.33E+01	6.33E+01	6.33E+01	6.32E+01	6.26E+01	5.70E+01
BR	2.53E+01	2.53E+01	2.53E+01	2.53E+01	2.53E+01	2.53E+01	2.53E+01	2.53E+01	2.54E+01	2.54E+01	2.60E+01	3.16E+01
RB	3.66E+02	3.66E+02	3.66E+02	3.66E+02	3.66E+02	3.66E+02	3.66E+02	3.66E+02	3.66E+02	3.66E+02	3.66E+02	3.66E+02
SR	8.48E+02	8.37E+02	8.26E+02	7.94E+02	7.46E+02	6.65E+02	5.12E+02	4.10E+02	3.65E+02	3.65E+02	3.65E+02	3.65E+02
Y	4.81E+02	4.81E+02	4.81E+02	4.81E+02	4.81E+02	4.81E+02	4.81E+02	4.81E+02	4.81E+02	4.81E+02	4.81E+02	4.81E+02
ZR	4.04E+03	4.05E+03	4.06E+03	4.09E+03	4.14E+03	4.22E+03	4.37E+03	4.48E+03	4.52E+03	4.52E+03	4.52E+03	4.23E+03
MO	4.02E+03	4.02E+03	4.02E+03	4.02E+03	4.02E+03	4.02E+03	4.02E+03	4.02E+03	4.02E+03	4.02E+03	4.02E+03	4.02E+03
TC	9.09E+02	9.09E+02	9.09E+02	9.09E+02	9.09E+02	9.09E+02	9.09E+02	9.09E+02	9.09E+02	9.06E+02	8.80E+02	3.51E+01
RU	2.83E+03	2.83E+03	2.83E+03	2.83E+03	2.83E+03	2.83E+03	2.83E+03	2.83E+03	2.84E+03	2.86E+03	2.86E+03	3.71E+03
RH	6.13E+02	6.13E+02	6.13E+02	6.13E+02	6.13E+02	6.13E+02	6.13E+02	6.13E+02	6.13E+02	6.13E+02	6.13E+02	6.13E+02
PD	2.03E+03	2.03E+03	2.03E+03	2.03E+03	2.03E+03	2.03E+03	2.03E+03	2.03E+03	2.03E+03	2.03E+03	2.03E+03	2.00E+03
AG	9.89E+01	9.89E+01	9.89E+01	9.89E+01	9.89E+01	9.89E+01	9.89E+01	9.89E+01	9.89E+01	9.90E+01	9.93E+01	1.31E+02
CD	1.27E+02	1.27E+02	1.27E+02	1.27E+02	1.27E+02	1.27E+02	1.27E+02	1.27E+02	1.27E+02	1.27E+02	1.27E+02	1.27E+02
IN	1.87E+00	1.87E+00	1.88E+00	1.91E+00	1.94E+00	1.98E+00	2.04E+00	2.06E+00	2.06E+00	2.06E+00	2.06E+00	2.06E+00
SN	6.60E+01	6.60E+01	6.60E+01	6.60E+01	6.60E+01	6.60E+01	6.60E+01	6.60E+01	6.60E+01	6.59E+01	6.42E+01	3.86E+01
SB	1.38E+01	1.33E+01	1.29E+01	1.22E+01	1.18E+01	1.16E+01	1.16E+01	1.16E+01	1.16E+01	1.16E+01	1.16E+01	1.16E+01
TE	6.01E+02	6.02E+02	6.02E+02	6.03E+02	6.03E+02	6.03E+02	6.04E+02	6.04E+02	6.04E+02	6.04E+02	6.05E+02	6.31E+02
CS	3.02E+03	2.99E+03	2.95E+03	2.87E+03	2.74E+03	2.54E+03	2.14E+03	1.87E+03	1.74E+03	1.74E+03	1.74E+03	1.63E+03
BA	2.00E+03	2.03E+03	2.06E+03	2.15E+03	2.27E+03	2.48E+03	2.88E+03	3.15E+03	3.27E+03	3.27E+03	3.27E+03	3.38E+03
LA	1.43E+03	1.43E+03	1.43E+03	1.43E+03	1.43E+03	1.43E+03	1.43E+03	1.43E+03	1.43E+03	1.43E+03	1.43E+03	1.43E+03
CE	2.82E+03	2.82E+03	2.82E+03	2.82E+03	2.82E+03	2.82E+03	2.82E+03	2.82E+03	2.82E+03	2.82E+03	2.82E+03	2.82E+03
PR	1.33E+03	1.33E+03	1.33E+03	1.33E+03	1.33E+03	1.33E+03	1.33E+03	1.33E+03	1.33E+03	1.33E+03	1.33E+03	1.33E+03
ND	4.73E+03	4.73E+03	4.73E+03	4.73E+03	4.73E+03	4.73E+03	4.73E+03	4.73E+03	4.73E+03	4.73E+03	4.73E+03	4.73E+03
PM	2.91E+01	2.24E+01	1.72E+01	7.77E+00	2.08E+00	1.48E-01	5.35E-05	9.83E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SM	1.01E+03	1.01E+03	1.02E+03	1.03E+03	1.03E+03	1.03E+03	1.03E+03	1.03E+03	1.02E+03	1.02E+03	1.02E+03	1.02E+03
EU	1.73E+02	1.69E+02	1.66E+02	1.57E+02	1.47E+02	1.37E+02	1.33E+02	1.36E+02	1.44E+02	1.44E+02	1.44E+02	1.44E+02
GD	1.92E+02	1.96E+02	2.00E+02	2.09E+02	2.20E+02	2.31E+02	2.38E+02	2.39E+02	2.39E+02	2.39E+02	2.39E+02	2.39E+02
TB	3.18E+00	3.18E+00	3.18E+00	3.18E+00	3.18E+00	3.18E+00	3.18E+00	3.18E+00	3.18E+00	3.18E+00	3.18E+00	3.18E+00
DY	1.86E+00	1.86E+00	1.86E+00	1.86E+00	1.86E+00	1.86E+00	1.86E+00	1.86E+00	1.86E+00	1.86E+00	1.86E+00	1.86E+00
Summe	3.39E+04	3.39E+04	3.39E+04	3.39E+04	3.39E+04	3.39E+04	3.39E+04	3.39E+04	3.39E+04	3.39E+04	3.39E+04	3.39E+04

DWR mit UO ₂ /MOX-Brennstoff (70/30), 1. Rezyklierung, WA-Zeitpunkt 7A / Summe der Abfallströme Radioaktivität der Spaltprodukt nuklide [Ci/TSM]												
ZEITEN NACH DER WIEDERAUFARBEITUNG [A]												
		0	1	2	5	10	20	50	100	1000	10000	1000000
H 3		4.37E+02	4.14E+02	3.91E+02	3.30E+02	2.50E+02	1.42E+02	2.64E+01	1.60E+00	0.00E+00	0.00E+00	0.00E+00
SE 79		4.38E-01	4.38E-01	4.38E-01	4.38E-01	4.38E-01	4.38E-01	4.38E-01	4.38E-01	4.34E-01	3.94E-01	1.02E-05
SR 90		6.59E+04	6.44E+04	6.29E+04	5.85E+04	5.20E+04	4.10E+04	2.01E+04	6.10E+03	3.05E-06	0.00E+00	0.00E+00
Y 90		6.59E+04	6.44E+04	6.29E+04	5.85E+04	5.20E+04	4.10E+04	2.01E+04	6.11E+03	3.05E-06	0.00E+00	0.00E+00
ZR 93		2.00E+00	2.00E+00	2.00E+00	2.00E+00	2.00E+00	2.00E+00	2.00E+00	2.00E+00	1.99E+00	1.99E+00	1.27E+00
NB 93M		6.71E-01	7.32E-01	7.90E-01	9.46E-01	1.16E+00	1.45E+00	1.80E+00	1.89E+00	1.89E+00	1.89E+00	1.20E+00
TC 99		1.54E+01	1.54E+01	1.54E+01	1.54E+01	1.54E+01	1.54E+01	1.54E+01	1.54E+01	1.54E+01	1.49E+01	5.96E-01
RU106		5.96E+03	3.00E+03	1.51E+03	1.92E+02	6.16E+00	6.44E-03	7.11E-12	8.38E-27	0.00E+00	0.00E+00	0.00E+00
RH106		5.96E+03	3.00E+03	1.51E+03	1.92E+02	6.16E+00	6.44E-03	7.11E-12	8.38E-27	0.00E+00	0.00E+00	0.00E+00
PD107		1.64E-01	1.64E-01	1.64E-01	1.64E-01	1.64E-01	1.64E-01	1.64E-01	1.64E-01	1.64E-01	1.64E-01	1.47E-01
AG110M		4.78E+00	1.74E+00	6.30E-01	3.02E-02	1.90E-04	7.60E-09	4.83E-22	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CD113M		4.18E+01	3.98E+01	3.80E+01	3.29E+01	2.60E+01	1.62E+01	3.88E+00	3.61E-01	9.82E-20	0.00E+00	0.00E+00
SN121M		2.18E-01	2.15E-01	2.12E-01	2.04E-01	1.90E-01	1.65E-01	1.09E-01	5.45E-02	2.07E-07	0.00E+00	0.00E+00
SN126		7.79E-01	7.79E-01	7.79E-01	7.79E-01	7.79E-01	7.79E-01	7.78E-01	7.78E-01	7.73E-01	7.27E-01	7.67E-04
SB125		2.24E+03	1.74E+03	1.35E+03	6.37E+02	1.82E+02	1.47E+01	7.91E-03	2.80E-08	0.00E+00	0.00E+00	0.00E+00
SB126		1.09E-01	1.09E-01	1.09E-01	1.09E-01	1.09E-01	1.09E-01	1.09E-01	1.09E-01	1.08E-01	1.02E-01	1.07E-04
SB126M		7.79E-01	7.79E-01	7.79E-01	7.79E-01	7.79E-01	7.79E-01	7.78E-01	7.78E-01	7.73E-01	7.27E-01	7.67E-04
TE125M		5.46E+02	4.24E+02	3.30E+02	1.55E+02	4.43E+01	3.60E+00	1.93E-03	6.82E-09	0.00E+00	0.00E+00	0.00E+00
CS134		2.08E+04	1.48E+04	1.06E+04	3.87E+03	7.21E+02	2.50E+01	1.05E-03	5.27E-11	0.00E+00	0.00E+00	0.00E+00
CS135		4.82E-01	4.82E-01	4.82E-01	4.82E-01	4.82E-01	4.82E-01	4.82E-01	4.81E-01	4.81E-01	4.80E-01	3.56E-01
CS137		1.10E+05	1.07E+05	1.05E+05	9.78E+04	8.72E+04	6.92E+04	3.46E+04	1.09E+04	1.02E-05	0.00E+00	0.00E+00
BA137M		1.04E+05	1.02E+05	9.92E+04	9.25E+04	8.24E+04	6.54E+04	3.27E+04	1.03E+04	9.64E-06	0.00E+00	0.00E+00
CE144		2.47E+03	1.02E+03	4.17E+02	2.88E+01	3.36E-01	4.56E-05	1.14E-16	5.28E-36	0.00E+00	0.00E+00	0.00E+00
PR144		2.47E+03	1.02E+03	4.17E+02	2.88E+01	3.36E-01	4.57E-05	1.14E-16	5.28E-36	0.00E+00	0.00E+00	0.00E+00
PR144M		2.97E+01	1.22E+01	5.00E+00	3.46E-01	4.03E-03	5.48E-07	1.37E-18	6.34E-38	0.00E+00	0.00E+00	0.00E+00
PM147		2.70E+04	2.07E+04	1.59E+04	7.21E+03	1.92E+03	1.37E+02	4.96E-02	9.11E-08	0.00E+00	0.00E+00	0.00E+00
SM151		4.64E+02	4.60E+02	4.56E+02	4.46E+02	4.29E+02	3.97E+02	3.15E+02	2.15E+02	2.10E-01	0.00E+00	0.00E+00
EU152		5.15E+00	4.90E+00	4.65E+00	3.99E+00	3.10E+00	1.86E+00	4.03E-01	3.16E-02	3.83E-22	0.00E+00	0.00E+00
EU154		1.01E+04	9.30E+03	8.58E+03	6.74E+03	4.50E+03	2.01E+03	1.79E+02	3.19E+00	0.00E+00	0.00E+00	0.00E+00
EU155		4.41E+03	3.83E+03	3.33E+03	2.19E+03	1.09E+03	2.70E+02	4.07E+00	3.76E-03	0.00E+00	0.00E+00	0.00E+00
Summe		4.28E+05	3.97E+05	3.75E+05	3.30E+05	2.83E+05	2.20E+05	1.08E+05	3.37E+04	2.22E+01	2.14E+01	3.57E+00

DWR mit UO₂/MOX-Brennstoff (70/30), 1. Rezyklierung, WA-Zeitpunkt 7A / Summe der Abfallströme
 Wärmeleistung der Spaltprodukt nuklide [W/TSM]

		ZEITEN NACH DER WIEDERAUFARBEITUNG [A]											
		0	1	2	5	10	20	50	100	1000	10000	1000000	
H	3	1.48E-02	1.40E-02	1.32E-02	1.12E-02	8.43E-03	4.81E-03	8.93E-04	5.40E-05	0.00E+00	0.00E+00	0.00E+00	
SE	79	1.09E-04	1.09E-04	1.09E-04	1.09E-04	1.09E-04	1.09E-04	1.09E-04	1.09E-04	1.08E-04	9.81E-05	2.54E-09	
SR	90	7.65E+01	7.47E+01	7.30E+01	6.79E+01	6.03E+01	4.75E+01	2.33E+01	7.08E+00	3.54E-09	0.00E+00	0.00E+00	
Y	90	3.65E+02	3.57E+02	3.48E+02	3.24E+02	2.88E+02	2.27E+02	1.11E+02	3.38E+01	1.69E-08	0.00E+00	0.00E+00	
ZR	93	2.32E-04	2.32E-04	2.32E-04	2.32E-04	2.32E-04	2.32E-04	2.32E-04	2.32E-04	2.32E-04	2.31E-04	1.47E-04	
NB	93M	1.19E-04	1.30E-04	1.40E-04	1.68E-04	2.06E-04	2.58E-04	3.19E-04	3.35E-04	3.36E-04	3.34E-04	2.14E-04	
TC	99	7.73E-03	7.73E-03	7.73E-03	7.73E-03	7.73E-03	7.73E-03	7.73E-03	7.73E-03	7.71E-03	7.49E-03	2.99E-04	
RU	106	3.54E-01	1.78E-01	8.94E-02	1.14E-02	3.65E-04	3.82E-07	4.21E-16	4.97E-31	0.00E+00	0.00E+00	0.00E+00	
RH	106	5.72E+01	2.88E+01	1.45E+01	1.84E+00	5.91E-02	6.18E-05	6.82E-14	8.04E-29	0.00E+00	0.00E+00	0.00E+00	
AG	110M	7.98E-02	2.90E-02	1.05E-02	5.04E-04	3.18E-06	1.27E-10	8.06E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
CD	113M	7.03E-02	6.70E-02	6.39E-02	5.54E-02	4.37E-02	2.72E-02	6.54E-03	6.08E-04	1.65E-22	0.00E+00	0.00E+00	
SN	121M	4.37E-04	4.31E-04	4.25E-04	4.08E-04	3.80E-04	3.31E-04	2.18E-04	1.09E-04	4.15E-10	0.00E+00	0.00E+00	
SN	126	9.71E-04	9.71E-04	9.71E-04	9.71E-04	9.71E-04	9.71E-04	9.71E-04	9.71E-04	9.65E-04	9.06E-04	9.56E-07	
SB	125	6.99E+00	5.44E+00	4.23E+00	1.99E+00	5.68E-01	4.61E-02	2.47E-05	8.74E-11	0.00E+00	0.00E+00	0.00E+00	
SB	126	2.01E-03	2.01E-03	2.01E-03	2.01E-03	2.01E-03	2.01E-03	2.01E-03	2.01E-03	2.00E-03	1.88E-03	1.98E-06	
SB	126M	9.92E-03	9.92E-03	9.92E-03	9.92E-03	9.91E-03	9.91E-03	9.91E-03	9.91E-03	9.85E-03	9.25E-03	9.76E-06	
TE	125M	4.59E-01	3.57E-01	2.78E-01	1.31E-01	3.72E-02	3.03E-03	1.62E-06	5.73E-12	0.00E+00	0.00E+00	0.00E+00	
CS	134	2.11E+02	1.51E+02	1.08E+02	3.94E+01	7.34E+00	2.55E-01	1.06E-05	5.36E-13	0.00E+00	0.00E+00	0.00E+00	
CS	135	1.61E-04	1.61E-04	1.61E-04	1.61E-04	1.61E-04	1.61E-04	1.61E-04	1.61E-04	1.61E-04	1.60E-04	1.19E-04	
CS	137	1.21E+02	1.19E+02	1.16E+02	1.08E+02	9.64E+01	7.65E+01	3.83E+01	1.21E+01	1.13E-08	0.00E+00	0.00E+00	
BA	137M	4.08E+02	3.99E+02	3.89E+02	3.63E+02	3.24E+02	2.57E+02	1.28E+02	4.05E+01	3.79E-08	0.00E+00	0.00E+00	
CE	144	1.64E+00	6.73E-01	2.76E-01	1.91E-02	2.23E-04	3.03E-08	7.58E-20	3.50E-39	0.00E+00	0.00E+00	0.00E+00	
PR	144	1.82E+01	7.46E+00	3.06E+00	2.12E-01	2.47E-03	3.36E-07	8.40E-19	3.88E-38	0.00E+00	0.00E+00	0.00E+00	
PR	144M	1.02E-02	4.17E-03	1.71E-03	1.18E-04	1.38E-06	1.87E-10	4.69E-22	2.17E-41	0.00E+00	0.00E+00	0.00E+00	
PM	147	9.69E+00	7.44E+00	5.71E+00	2.59E+00	6.90E-01	4.92E-02	1.78E-05	3.27E-11	0.00E+00	0.00E+00	0.00E+00	
SM	151	5.44E-02	5.40E-02	5.36E-02	5.24E-02	5.04E-02	4.66E-02	3.70E-02	2.52E-02	2.46E-05	0.00E+00	0.00E+00	
EU	152	3.91E-02	3.71E-02	3.53E-02	3.03E-02	2.35E-02	1.41E-02	3.06E-03	2.39E-04	2.91E-24	0.00E+00	0.00E+00	
EU	154	9.02E+01	8.32E+01	7.68E+01	6.03E+01	4.03E+01	1.80E+01	1.60E+00	2.86E-02	0.00E+00	0.00E+00	0.00E+00	
EU	155	3.21E+00	2.79E+00	2.43E+00	1.59E+00	7.93E-01	1.96E-01	2.96E-03	2.74E-06	0.00E+00	0.00E+00	0.00E+00	
HO	166M	1.12E-05	1.11E-05	1.11E-05	1.11E-05	1.11E-05	1.10E-05	1.08E-05	1.05E-05	6.26E-06	3.46E-08	0.00E+00	
Summe		1.37E+03	1.24E+03	1.14E+03	9.72E+02	8.18E+02	6.27E+02	3.03E+02	9.35E+01	2.14E-02	2.04E-02	8.00E-04	

DWR mit UO₂/MOX-Brennstoff (90/10), 5.Rezyklierung, WA-Zeitpunkt 7A / HAWC
Radioaktivität der Aktinidennuklide [Ci/TSM]

	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
TH230	7.14E-05	7.14E-05	7.15E-05	7.16E-05	7.18E-05	7.23E-05	7.42E-05	7.84E-05	2.27E-04	1.70E-03	3.14E-03
TH231	1.58E-02	7.88E-05	7.88E-05	7.88E-05	7.88E-05	7.88E-05	7.89E-05	7.90E-05	8.17E-05	1.58E-04	8.17E-04
TH234	3.13E-01	1.58E-03	1.57E-03	1.57E-03	1.57E-03	1.57E-03	1.57E-03	1.57E-03	1.57E-03	1.57E-03	1.57E-03
PA233	3.76E-01	3.75E-01	3.75E-01	3.77E-01	3.81E-01	3.87E-01	4.06E-01	4.35E-01	7.02E-01	7.86E-01	5.73E-01
PA234M	3.13E-01	1.58E-03	1.57E-03	1.57E-03	1.57E-03	1.57E-03	1.57E-03	1.57E-03	1.57E-03	1.57E-03	1.57E-03
U 232	2.54E-04	2.61E-04	2.66E-04	2.72E-04	2.68E-04	2.47E-04	1.85E-04	1.15E-04	3.33E-07	3.11E-07	1.83E-07
U 233	4.13E-07	2.23E-06	4.04E-06	9.15E-06	1.74E-05	3.42E-05	8.62E-05	1.78E-04	2.53E-03	3.27E-02	6.08E-01
U 234	4.79E-03	4.87E-03	4.94E-03	5.15E-03	5.50E-03	6.17E-03	7.99E-03	1.05E-02	1.93E-02	1.89E-02	2.62E-03
U 235	7.88E-05	7.88E-05	7.88E-05	7.88E-05	7.88E-05	7.88E-05	7.89E-05	7.90E-05	8.17E-05	1.58E-04	8.17E-04
U 236	1.43E-03	1.43E-03	1.43E-03	1.43E-03	1.43E-03	1.44E-03	1.46E-03	1.50E-03	2.32E-03	7.33E-03	1.02E-02
U 237	1.64E-02	1.56E-02	1.49E-02	1.29E-02	1.01E-02	6.28E-03	1.52E-03	1.79E-04	4.34E-05	2.08E-05	0.00E+00
U 238	1.57E-03	1.57E-03	1.57E-03	1.57E-03	1.57E-03	1.57E-03	1.57E-03	1.57E-03	1.57E-03	1.57E-03	1.57E-03
NP237	3.74E-01	3.75E-01	3.75E-01	3.77E-01	3.81E-01	3.87E-01	4.06E-01	4.35E-01	7.02E-01	7.86E-01	5.73E-01
NP238	5.33E-02	5.29E-02	5.27E-02	5.20E-02	5.08E-02	4.85E-02	4.23E-02	3.37E-02	5.57E-04	8.45E-22	0.00E+00
NP239	6.36E+01	6.35E+01	6.35E+01	6.35E+01	6.35E+01	6.34E+01	6.32E+01	6.29E+01	5.78E+01	2.48E+01	7.17E-06
PU238	2.55E+01	2.54E+01	2.53E+01	2.49E+01	2.43E+01	2.30E+01	1.98E+01	1.53E+01	1.05E-01	3.32E-19	0.00E+00
PU239	2.08E+00	2.08E+00	2.08E+00	2.09E+00	2.11E+00	2.13E+00	2.20E+00	2.30E+00	3.79E+00	1.17E+01	7.17E-06
PU240	4.59E+00	5.63E+00	6.63E+00	9.42E+00	1.34E+01	1.94E+01	2.82E+01	3.15E+01	2.92E+01	1.12E+01	5.68E-08
PU241	6.54E+02	6.24E+02	5.94E+02	5.15E+02	4.05E+02	2.51E+02	6.07E+01	7.17E+00	1.74E+00	8.34E-01	0.00E+00
PU242	2.93E-02	2.93E-02	2.93E-02	2.93E-02	2.94E-02	2.94E-02	2.97E-02	3.00E-02	3.46E-02	5.54E-02	1.08E-02
AM241	2.01E+03	2.01E+03	2.01E+03	2.00E+03	1.99E+03	1.96E+03	1.87E+03	1.73E+03	4.10E+02	8.34E-01	0.00E+00
AM242M	1.06E+01	1.06E+01	1.05E+01	1.04E+01	1.02E+01	9.70E+00	8.46E+00	6.74E+00	1.11E-01	1.69E-19	0.00E+00
AM242	1.06E+01	1.05E+01	1.05E+01	1.03E+01	1.01E+01	9.66E+00	8.42E+00	6.70E+00	1.11E-01	1.68E-19	0.00E+00
AM243	6.35E+01	6.35E+01	6.35E+01	6.35E+01	6.35E+01	6.34E+01	6.32E+01	6.29E+01	5.78E+01	2.48E+01	7.17E-06
CM242	1.06E+01	9.12E+00	8.76E+00	8.57E+00	8.36E+00	7.98E+00	6.96E+00	5.54E+00	9.16E-02	1.39E-19	0.00E+00
CM243	4.37E+01	4.26E+01	4.16E+01	3.87E+01	3.42E+01	2.69E+01	1.29E+01	3.84E+00	1.20E-09	0.00E+00	0.00E+00
CM244	1.00E+04	9.65E+03	9.28E+03	8.28E+03	6.84E+03	4.66E+03	1.48E+03	2.18E+02	2.41E-13	0.00E+00	0.00E+00
CM245	1.88E+00	1.88E+00	1.88E+00	1.88E+00	1.88E+00	1.88E+00	1.87E+00	1.87E+00	1.73E+00	8.32E-01	0.00E+00
CM246	2.79E+00	2.79E+00	2.79E+00	2.78E+00	2.78E+00	2.78E+00	2.77E+00	2.75E+00	2.41E+00	6.44E-01	1.10E-29
CF249	1.90E-04	1.90E-04	1.90E-04	1.89E-04	1.87E-04	1.83E-04	1.73E-04	1.56E-04	2.64E-05	4.93E-13	0.00E+00
Summe	1.29E+04	1.25E+04	1.21E+04	1.10E+04	9.46E+03	7.10E+03	3.63E+03	2.16E+03	5.67E+02	7.75E+01	6.69E+00

DWR mit UO ₂ /MOX-Brennstoff (90/10), 5.Rezyklierung, WA-Zeitpunkt 7A / HAWC											
Wärmeleistung der Aktinidennuklide [W/TSM]											
	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
RN220	1.56E-03	1.09E-03	7.60E-04	2.63E-04	5.16E-05	1.07E-05	7.23E-06	4.47E-06	1.27E-08	1.19E-08	2.62E-08
RA224	1.41E-03	9.83E-04	6.87E-04	2.38E-04	4.66E-05	9.68E-06	6.53E-06	4.04E-06	1.14E-08	1.08E-08	2.36E-08
TH228	1.34E-03	9.32E-04	6.52E-04	2.26E-04	4.43E-05	9.23E-06	6.23E-06	3.85E-06	1.09E-08	1.03E-08	2.25E-08
TH230	2.02E-06	2.02E-06	2.02E-06	2.02E-06	2.03E-06	2.05E-06	2.10E-06	2.22E-06	6.43E-06	4.80E-05	8.89E-05
PA233	8.54E-04	8.51E-04	8.52E-04	8.57E-04	8.64E-04	8.78E-04	9.21E-04	9.87E-04	1.59E-03	1.78E-03	1.30E-03
PA234M	1.55E-03	7.78E-06	7.74E-06	7.74E-06	7.74E-06	7.74E-06	7.74E-06	7.74E-06	7.74E-06	7.74E-06	7.76E-06
U 232	8.15E-06	8.37E-06	8.53E-06	8.73E-06	8.61E-06	7.92E-06	5.95E-06	3.68E-06	1.07E-08	9.99E-09	5.87E-09
U 233	1.20E-08	6.48E-08	1.18E-07	2.66E-07	5.07E-07	9.96E-07	2.51E-06	5.18E-06	7.37E-05	9.53E-04	1.77E-02
U 234	1.38E-04	1.40E-04	1.42E-04	1.48E-04	1.58E-04	1.78E-04	2.30E-04	3.01E-04	5.55E-04	5.45E-04	7.54E-05
U 235	2.18E-06	2.18E-06	2.18E-06	2.19E-06	2.19E-06	2.19E-06	2.19E-06	2.19E-06	2.27E-06	4.38E-06	2.27E-05
U 236	3.87E-05	3.87E-05	3.87E-05	3.88E-05	3.88E-05	3.89E-05	3.95E-05	4.07E-05	6.28E-05	1.98E-04	2.75E-04
U 238	3.97E-05	3.97E-05	3.97E-05	3.97E-05	3.97E-05	3.97E-05	3.97E-05	3.97E-05	3.97E-05	3.97E-05	3.98E-05
NP237	1.10E-02	1.10E-02	1.10E-02	1.11E-02	1.12E-02	1.14E-02	1.19E-02	1.28E-02	2.06E-02	2.31E-02	1.68E-02
NP238	2.55E-04	2.53E-04	2.52E-04	2.49E-04	2.43E-04	2.32E-04	2.03E-04	1.61E-04	2.67E-06	4.05E-24	0.00E+00
NP239	1.54E-01	1.54E-01	1.54E-01	1.53E-01	1.53E-01	1.53E-01	1.53E-01	1.52E-01	1.40E-01	6.00E-02	1.73E-08
PU238	8.47E-01	8.43E-01	8.38E-01	8.25E-01	8.04E-01	7.64E-01	6.55E-01	5.09E-01	3.47E-03	1.10E-20	0.00E+00
PU239	6.46E-02	6.47E-02	6.48E-02	6.51E-02	6.55E-02	6.63E-02	6.85E-02	7.15E-02	1.18E-01	3.63E-01	2.23E-07
PU240	1.43E-01	1.75E-01	2.07E-01	2.94E-01	4.18E-01	6.05E-01	8.77E-01	9.81E-01	9.09E-01	3.50E-01	1.77E-09
PU241	2.02E-02	1.92E-02	1.83E-02	1.59E-02	1.25E-02	7.74E-03	1.87E-03	2.21E-04	5.35E-05	2.57E-05	0.00E+00
PU242	8.65E-04	8.65E-04	8.65E-04	8.66E-04	8.67E-04	8.70E-04	8.77E-04	8.87E-04	1.02E-03	1.64E-03	3.18E-04
AM241	6.72E+01	6.71E+01	6.70E+01	6.68E+01	6.64E+01	6.55E+01	6.26E+01	5.79E+01	1.37E+01	2.79E-02	0.00E+00
AM242M	4.20E-03	4.18E-03	4.16E-03	4.10E-03	4.01E-03	3.83E-03	3.34E-03	2.66E-03	4.40E-05	6.67E-23	0.00E+00
AM242	1.23E-02	1.22E-02	1.22E-02	1.20E-02	1.17E-02	1.12E-02	9.78E-03	7.79E-03	1.29E-04	1.95E-22	0.00E+00
AM243	2.05E+00	2.05E+00	2.05E+00	2.05E+00	2.05E+00	2.04E+00	2.04E+00	2.03E+00	1.86E+00	8.01E-01	2.31E-07
CM242	3.92E-01	3.36E-01	3.23E-01	3.16E-01	3.08E-01	2.94E-01	2.57E-01	2.04E-01	3.38E-03	5.14E-21	0.00E+00
CM243	1.60E+00	1.56E+00	1.53E+00	1.42E+00	1.26E+00	9.85E-01	4.75E-01	1.41E-01	4.41E-11	0.00E+00	0.00E+00
CM244	3.51E+02	3.37E+02	3.25E+02	2.90E+02	2.39E+02	1.63E+02	5.18E+01	7.64E+00	8.44E-15	0.00E+00	0.00E+00
CM245	6.27E-02	6.27E-02	6.27E-02	6.27E-02	6.27E-02	6.26E-02	6.25E-02	6.22E-02	5.78E-02	2.77E-02	0.00E+00
CM246	9.12E-02	9.12E-02	9.12E-02	9.11E-02	9.11E-02	9.09E-02	9.05E-02	8.99E-02	7.88E-02	2.11E-02	3.59E-31
CF249	7.08E-06	7.08E-06	7.08E-06	7.04E-06	6.97E-06	6.83E-06	6.44E-06	5.83E-06	9.84E-07	1.84E-14	0.00E+00
Summe	4.23E+02	4.10E+02	3.97E+02	3.62E+02	3.11E+02	2.34E+02	1.19E+02	6.98E+01	1.69E+01	1.68E+00	1.61E-01

DWR mit UO₂/MOX-Brennstoff (90/10), 5.Rezyklierung, WA-Zeitpunkt 7A / HAWC
 Konzentrationen der Spaltproduktelemente [G/TSM]

	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]											
	0	1	2	5	10	20	50	100	1000	10000	1000000	
GE	4.85E-01	4.85E-01	4.85E-01	4.85E-01	4.85E-01	4.85E-01	4.85E-01	4.85E-01	4.85E-01	4.85E-01	4.85E-01	4.85E-01
SE	3.91E+01	3.91E+01	3.91E+01	3.91E+01	3.91E+01	3.91E+01	3.91E+01	3.91E+01	3.91E+01	3.91E+01	3.87E+01	3.53E+01
BR	2.59E+01	2.59E+01	2.59E+01	2.59E+01	2.59E+01	2.59E+01	2.59E+01	2.59E+01	2.59E+01	2.59E+01	2.63E+01	2.97E+01
RB	4.00E+02	4.00E+02	4.00E+02	4.00E+02	4.00E+02	4.00E+02	4.00E+02	4.00E+02	4.00E+02	4.00E+02	4.00E+02	4.00E+02
SR	9.30E+02	9.17E+02	9.05E+02	8.70E+02	8.17E+02	7.29E+02	5.61E+02	4.48E+02	3.99E+02	3.99E+02	3.99E+02	3.99E+02
Y	5.28E+02	5.28E+02	5.28E+02	5.28E+02	5.28E+02	5.28E+02	5.28E+02	5.28E+02	5.28E+02	5.28E+02	5.28E+02	5.28E+02
ZR	2.75E+03	2.76E+03	2.77E+03	2.81E+03	2.86E+03	2.95E+03	3.12E+03	3.23E+03	3.28E+03	3.27E+03	3.27E+03	3.08E+03
MO	2.02E+03	2.02E+03	2.02E+03	2.02E+03	2.02E+03	2.02E+03	2.02E+03	2.02E+03	2.02E+03	2.02E+03	2.02E+03	2.02E+03
TC	7.29E+02	7.29E+02	7.29E+02	7.29E+02	7.29E+02	7.29E+02	7.29E+02	7.29E+02	7.29E+02	7.27E+02	7.06E+02	2.82E+01
RU	1.09E+03	1.09E+03	1.09E+03	1.09E+03	1.09E+03	1.09E+03	1.09E+03	1.09E+03	1.09E+03	1.09E+03	1.11E+03	1.79E+03
RH	2.78E+02	2.78E+02	2.78E+02	2.78E+02	2.78E+02	2.78E+02	2.78E+02	2.78E+02	2.78E+02	2.78E+02	2.78E+02	2.78E+02
PD	1.43E+03	1.43E+03	1.43E+03	1.43E+03	1.43E+03	1.43E+03	1.43E+03	1.43E+03	1.43E+03	1.43E+03	1.43E+03	1.41E+03
AG	4.16E+00	4.16E+00	4.16E+00	4.16E+00	4.16E+00	4.16E+00	4.16E+00	4.16E+00	4.16E+00	4.18E+00	4.39E+00	2.59E+01
CD	8.43E+01	8.43E+01	8.43E+01	8.42E+01	8.42E+01	8.42E+01	8.42E+01	8.41E+01	8.41E+01	8.41E+01	8.41E+01	8.41E+01
IN	1.66E+00	1.66E+00	1.67E+00	1.69E+00	1.71E+00	1.74E+00	1.78E+00	1.79E+00	1.79E+00	1.79E+00	1.79E+00	1.79E+00
SN	1.20E+01	1.20E+01	1.20E+01	1.20E+01	1.20E+01	1.20E+01	1.20E+01	1.20E+01	1.20E+01	1.20E+01	1.17E+01	7.07E+00
SB	6.24E-01	6.03E-01	5.86E-01	5.56E-01	5.36E-01	5.29E-01	5.28E-01	5.29E-01	5.29E-01	5.29E-01	5.29E-01	5.29E-01
TE	3.41E+02	3.41E+02	3.41E+02	3.41E+02	3.41E+02	3.41E+02	3.41E+02	3.41E+02	3.41E+02	3.41E+02	3.42E+02	3.46E+02
CS	2.96E+03	2.92E+03	2.89E+03	2.81E+03	2.68E+03	2.48E+03	2.08E+03	1.81E+03	1.68E+03	1.68E+03	1.68E+03	1.59E+03
BA	2.02E+03	2.06E+03	2.09E+03	2.17E+03	2.30E+03	2.51E+03	2.90E+03	3.18E+03	3.30E+03	3.30E+03	3.30E+03	3.39E+03
LA	1.45E+03	1.45E+03	1.45E+03	1.45E+03	1.45E+03	1.45E+03	1.45E+03	1.45E+03	1.45E+03	1.45E+03	1.45E+03	1.45E+03
CE	2.87E+03	2.87E+03	2.87E+03	2.87E+03	2.87E+03	2.87E+03	2.87E+03	2.87E+03	2.87E+03	2.87E+03	2.87E+03	2.87E+03
PR	1.34E+03	1.34E+03	1.34E+03	1.34E+03	1.34E+03	1.34E+03	1.34E+03	1.34E+03	1.34E+03	1.34E+03	1.34E+03	1.34E+03
ND	4.85E+03	4.85E+03	4.85E+03	4.85E+03	4.85E+03	4.85E+03	4.85E+03	4.85E+03	4.85E+03	4.85E+03	4.85E+03	4.85E+03
PM	2.91E+01	2.23E+01	1.71E+01	7.76E+00	2.07E+00	1.48E-01	5.34E-05	9.81E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SM	9.93E+02	1.00E+03	1.00E+03	1.01E+03	1.02E+03	1.02E+03	1.02E+03	1.01E+03	1.01E+03	1.01E+03	1.01E+03	1.01E+03
EU	1.62E+02	1.58E+02	1.55E+02	1.47E+02	1.37E+02	1.28E+02	1.24E+02	1.26E+02	1.33E+02	1.33E+02	1.33E+02	1.33E+02
GD	1.85E+02	1.89E+02	1.93E+02	2.01E+02	2.11E+02	2.21E+02	2.28E+02	2.29E+02	2.29E+02	2.29E+02	2.29E+02	2.29E+02
TB	2.70E+00	2.70E+00	2.70E+00	2.70E+00	2.70E+00	2.70E+00	2.70E+00	2.70E+00	2.70E+00	2.70E+00	2.70E+00	2.70E+00
DY	1.52E+00	1.52E+00	1.52E+00	1.52E+00	1.52E+00	1.52E+00	1.52E+00	1.52E+00	1.52E+00	1.52E+00	1.52E+00	1.52E+00
Summe	2.75E+04	2.75E+04	2.75E+04	2.75E+04	2.75E+04	2.75E+04	2.75E+04	2.75E+04	2.75E+04	2.75E+04	2.75E+04	2.75E+04

DWR mit UO ₂ /MOX-Brennstoff (90/10), 5.Rezyklierung, WA-Zeitpunkt 7A / HAWC												
Radioaktivität der Spaltprodukt nuklide [Ci/TSM]												
ZEITEN NACH DER WIEDERAUFARBEITUNG [A]												
		0	1	2	5	10	20	50	100	1000	10000	1000000
H	3	4.18E+02	3.96E+02	3.74E+02	3.16E+02	2.39E+02	1.36E+02	2.53E+01	1.53E+00	0.00E+00	0.00E+00	0.00E+00
C	14	1.69E-02	1.69E-02	1.69E-02	1.69E-02	1.69E-02	1.69E-02	1.68E-02	1.67E-02	1.50E-02	5.05E-03	0.00E+00
SE	79	2.65E-01	2.65E-01	2.65E-01	2.65E-01	2.65E-01	2.65E-01	2.65E-01	2.65E-01	2.62E-01	2.38E-01	6.18E-06
SR	90	7.24E+04	7.07E+04	6.90E+04	6.43E+04	5.71E+04	4.50E+04	2.20E+04	6.70E+03	3.35E-06	0.00E+00	0.00E+00
Y	90	7.23E+04	7.07E+04	6.90E+04	6.43E+04	5.71E+04	4.50E+04	2.20E+04	6.70E+03	3.35E-06	0.00E+00	0.00E+00
ZR	93	1.36E+00	1.36E+00	1.36E+00	1.36E+00	1.36E+00	1.36E+00	1.36E+00	1.36E+00	1.35E+00	1.35E+00	8.62E-01
NB	93M	3.52E-02	9.74E-02	1.56E-01	3.17E-01	5.35E-01	8.35E-01	1.19E+00	1.28E+00	1.29E+00	1.28E+00	8.18E-01
TC	99	1.24E+01	1.24E+01	1.24E+01	1.24E+01	1.24E+01	1.24E+01	1.24E+01	1.24E+01	1.23E+01	1.20E+01	4.78E-01
RU106		2.13E+03	1.07E+03	5.38E+02	6.85E+01	2.20E+00	2.17E-03	2.40E-12	2.83E-27	0.00E+00	0.00E+00	0.00E+00
RH106		2.67E+03	1.07E+03	5.38E+02	6.85E+01	2.20E+00	2.27E-03	2.40E-12	2.83E-27	0.00E+00	0.00E+00	0.00E+00
PD107		1.10E-01	1.10E-01	1.10E-01	1.10E-01	1.10E-01	1.10E-01	1.10E-01	1.10E-01	1.10E-01	1.10E-01	9.93E-02
CD113M		2.94E+01	2.80E+01	2.67E+01	2.32E+01	1.83E+01	1.14E+01	2.73E+00	2.54E-01	6.90E-20	0.00E+00	0.00E+00
SN121M		3.78E-02	3.72E-02	3.67E-02	3.52E-02	3.29E-02	2.86E-02	1.89E-02	9.44E-03	3.58E-08	0.00E+00	0.00E+00
SN126		1.40E-01	1.40E-01	1.40E-01	1.40E-01	1.40E-01	1.40E-01	1.40E-01	1.40E-01	1.39E-01	1.31E-01	1.37E-04
SB125		9.96E+01	7.75E+01	6.03E+01	2.84E+01	8.09E+00	6.57E-01	3.52E-04	1.25E-09	0.00E+00	0.00E+00	0.00E+00
SB126		4.85E-03	1.96E-02	1.96E-02	1.96E-02	1.96E-02	1.96E-02	1.96E-02	1.96E-02	1.94E-02	1.83E-02	1.92E-05
SB126M		3.47E-02	1.40E-01	1.40E-01	1.40E-01	1.40E-01	1.40E-01	1.40E-01	1.40E-01	1.39E-01	1.31E-01	1.37E-04
TE125M		2.95E+02	2.24E+01	1.48E+01	6.93E+00	1.97E+00	1.60E-01	8.60E-05	3.04E-10	0.00E+00	0.00E+00	0.00E+00
CS134		2.09E+04	1.49E+04	1.07E+04	3.90E+03	7.26E+02	2.52E+01	1.05E-03	5.31E-11	0.00E+00	0.00E+00	0.00E+00
CS135		4.14E-01	4.14E-01	4.14E-01	4.14E-01	4.14E-01	4.14E-01	4.14E-01	4.14E-01	4.14E-01	4.13E-01	3.06E-01
CS137		1.10E+05	1.07E+05	1.05E+05	9.77E+04	8.70E+04	6.91E+04	3.46E+04	1.09E+04	1.02E-05	0.00E+00	0.00E+00
BA137M		1.04E+05	1.01E+05	9.91E+04	9.24E+04	8.23E+04	6.54E+04	3.27E+04	1.03E+04	9.63E-06	0.00E+00	0.00E+00
CE144		2.55E+03	1.05E+03	4.29E+02	2.97E+01	3.46E-01	4.70E-05	1.18E-16	5.44E-36	0.00E+00	0.00E+00	0.00E+00
PR144		2.55E+03	1.05E+03	4.29E+02	2.97E+01	3.46E-01	4.70E-05	1.18E-16	5.44E-36	0.00E+00	0.00E+00	0.00E+00
PR144M		3.06E+01	1.26E+01	5.15E+00	3.56E-01	4.15E-03	5.64E-07	1.41E-18	6.53E-38	0.00E+00	0.00E+00	0.00E+00
PM147		2.70E+04	2.07E+04	1.59E+04	7.20E+03	1.92E+03	1.37E+02	4.95E-02	9.10E-08	0.00E+00	0.00E+00	0.00E+00
SM151		3.91E+02	3.88E+02	3.85E+02	3.76E+02	3.62E+02	3.35E+02	2.66E+02	1.81E+02	1.77E-01	0.00E+00	0.00E+00
EU152		3.75E+00	3.56E+00	3.38E+00	2.91E+00	2.25E+00	1.35E+00	2.93E-01	2.30E-02	2.79E-22	0.00E+00	0.00E+00
EU154		9.47E+03	8.74E+03	8.06E+03	6.33E+03	4.23E+03	1.89E+03	1.69E+02	3.00E+00	0.00E+00	0.00E+00	0.00E+00
EU155		3.91E+03	3.40E+03	2.95E+03	1.94E+03	9.66E+02	2.39E+02	3.61E+00	3.33E-03	0.00E+00	0.00E+00	0.00E+00
Summe		4.30E+05	4.03E+05	3.82E+05	3.39E+05	2.92E+05	2.27E+05	1.12E+05	3.48E+04	1.62E+01	1.57E+01	2.56E+00

DWR mit UO₂/MOX-Brennstoff (90/10), 5.Rezyklierung, WA-Zeitpunkt 7A / HAWC
 Wärmeleistung der Spaltprodukt nuklide [W/TSM]

		ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
		0	1	2	5	10	20	50	100	1000	10000	1000000
H 3		1.41E-02	1.34E-02	1.26E-02	1.07E-02	8.07E-03	4.60E-03	8.55E-04	5.17E-05	0.00E+00	0.00E+00	0.00E+00
SE 79		6.61E-05	6.61E-05	6.61E-05	6.60E-05	6.60E-05	6.60E-05	6.60E-05	6.60E-05	6.54E-05	5.94E-05	1.54E-09
SR 90		8.40E+01	8.20E+01	8.01E+01	7.46E+01	6.62E+01	5.22E+01	2.56E+01	7.78E+00	3.89E-09	0.00E+00	0.00E+00
Y 90		4.00E+02	3.92E+02	3.83E+02	3.56E+02	3.16E+02	2.49E+02	1.22E+02	3.71E+01	1.86E-08	0.00E+00	0.00E+00
ZR 93		1.57E-04	1.57E-04	1.57E-04	1.57E-04	1.57E-04	1.57E-04	1.57E-04	1.57E-04	1.57E-04	1.57E-04	1.00E-04
NB 93M		6.23E-06	1.73E-05	2.77E-05	5.61E-05	9.48E-05	1.48E-04	2.11E-04	2.27E-04	2.28E-04	2.27E-04	1.45E-04
TC 99		6.20E-03	6.20E-03	6.20E-03	6.20E-03	6.20E-03	6.20E-03	6.20E-03	6.20E-03	6.18E-03	6.01E-03	2.40E-04
RU106		1.26E-01	6.35E-02	3.19E-02	4.06E-03	1.30E-04	1.29E-07	1.42E-16	1.68E-31	0.00E+00	0.00E+00	0.00E+00
RH106		2.56E+01	1.03E+01	5.16E+00	6.57E-01	2.11E-02	2.18E-05	2.30E-14	2.71E-29	0.00E+00	0.00E+00	0.00E+00
AG110M		3.31E-03	1.20E-03	4.37E-04	2.09E-05	1.32E-07	5.28E-12	3.35E-25	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CD113M		4.94E-02	4.71E-02	4.50E-02	3.90E-02	3.07E-02	1.91E-02	4.60E-03	4.28E-04	1.16E-22	0.00E+00	0.00E+00
SN121M		7.57E-05	7.46E-05	7.36E-05	7.06E-05	6.59E-05	5.73E-05	3.78E-05	1.89E-05	7.18E-11	0.00E+00	0.00E+00
SN126		1.74E-04	1.74E-04	1.74E-04	1.74E-04	1.74E-04	1.74E-04	1.74E-04	1.74E-04	1.73E-04	1.63E-04	1.71E-07
SB125		3.11E-01	2.42E-01	1.88E-01	8.87E-02	2.53E-02	2.05E-03	1.10E-06	3.89E-12	0.00E+00	0.00E+00	0.00E+00
SB126		8.96E-05	3.62E-04	3.62E-04	3.62E-04	3.62E-04	3.62E-04	3.62E-04	3.62E-04	3.59E-04	3.38E-04	3.56E-07
SB126M		4.41E-04	1.78E-03	1.78E-03	1.78E-03	1.78E-03	1.78E-03	1.78E-03	1.78E-03	1.77E-03	1.66E-03	1.75E-06
TE125M		2.48E-01	1.88E-02	1.24E-02	5.82E-03	1.66E-03	1.35E-04	7.22E-08	2.55E-13	0.00E+00	0.00E+00	0.00E+00
CS134		2.13E+02	1.52E+02	1.09E+02	3.97E+01	7.39E+00	2.56E-01	1.07E-05	5.40E-13	0.00E+00	0.00E+00	0.00E+00
CS135		1.38E-04	1.38E-04	1.38E-04	1.38E-04	1.38E-04	1.38E-04	1.38E-04	1.38E-04	1.38E-04	1.38E-04	1.02E-04
CS137		1.21E+02	1.19E+02	1.16E+02	1.08E+02	9.63E+01	7.64E+01	3.82E+01	1.20E+01	1.13E-08	0.00E+00	0.00E+00
BA137M		4.07E+02	3.98E+02	3.89E+02	3.63E+02	3.23E+02	2.57E+02	1.28E+02	4.04E+01	3.78E-08	0.00E+00	0.00E+00
CE144		1.69E+00	6.94E-01	2.85E-01	1.97E-02	2.30E-04	3.12E-08	7.81E-20	3.61E-39	0.00E+00	0.00E+00	0.00E+00
PR144		1.87E+01	7.69E+00	3.16E+00	2.18E-01	2.54E-03	3.45E-07	8.65E-19	4.00E-38	0.00E+00	0.00E+00	0.00E+00
PR144M		1.05E-02	4.29E-03	1.76E-03	1.22E-04	1.42E-06	1.93E-10	4.83E-22	2.23E-41	0.00E+00	0.00E+00	0.00E+00
PM147		9.67E+00	7.43E+00	5.70E+00	2.58E+00	6.89E-01	4.91E-02	1.78E-05	3.26E-11	0.00E+00	0.00E+00	0.00E+00
SM151		4.59E-02	4.55E-02	4.52E-02	4.41E-02	4.25E-02	3.93E-02	3.12E-02	2.12E-02	2.08E-05	0.00E+00	0.00E+00
EU152		2.84E-02	2.70E-02	2.57E-02	2.20E-02	1.71E-02	1.03E-02	2.22E-03	1.74E-04	2.11E-24	0.00E+00	0.00E+00
EU154		8.47E+01	7.82E+01	7.21E+01	5.66E+01	3.78E+01	1.69E+01	1.51E+00	2.68E-02	0.00E+00	0.00E+00	0.00E+00
EU155		2.84E+00	2.47E+00	2.15E+00	1.41E+00	7.02E-01	1.74E-01	2.62E-03	2.43E-06	0.00E+00	0.00E+00	0.00E+00
HO166M		9.70E-06	9.69E-06	9.69E-06	9.67E-06	9.64E-06	9.59E-06	9.42E-06	9.15E-06	5.44E-06	3.02E-08	0.00E+00
Summe		1.37E+03	1.25E+03	1.17E+03	1.00E+03	8.49E+02	6.52E+02	3.16E+02	9.75E+01	9.11E-03	8.76E-03	5.95E-04

DWR mit UO₂/MOX-Brennstoff (90/10), 5.Rezyklierung, WA-Zeitpunkt 7A / MAWC
Radioaktivität der Aktinidennuklide [Ci/TSM]

	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
PO216	0.00E+00	1.57E-05	2.70E-05	4.50E-05	5.26E-05	5.06E-05	3.81E-05	2.35E-05	5.65E-09	1.75E-09	2.72E-08
RN220	0.00E+00	1.57E-05	2.70E-05	4.50E-05	5.26E-05	5.06E-05	3.81E-05	2.35E-05	5.65E-09	1.75E-09	2.72E-08
RA224	0.00E+00	1.57E-05	2.70E-05	4.50E-05	5.26E-05	5.06E-05	3.81E-05	2.35E-05	5.65E-09	1.75E-09	2.72E-08
TH228	0.00E+00	1.57E-05	2.69E-05	4.49E-05	5.26E-05	5.06E-05	3.81E-05	2.35E-05	5.65E-09	1.75E-09	2.72E-08
TH231	0.00E+00	1.58E-05	1.58E-05	1.58E-05	1.58E-05	1.58E-05	1.58E-05	1.58E-05	1.62E-05	1.93E-05	3.00E-05
TH234	0.00E+00	3.13E-04	3.13E-04	3.13E-04	3.13E-04	3.13E-04	3.13E-04	3.13E-04	3.13E-04	3.13E-04	3.14E-04
PA233	0.00E+00	1.88E-03	1.88E-03	1.88E-03	1.88E-03	1.89E-03	1.93E-03	1.99E-03	2.61E-03	2.79E-03	2.03E-03
PA234M	0.00E+00	3.13E-04	3.13E-04	3.13E-04	3.13E-04	3.13E-04	3.13E-04	3.13E-04	3.13E-04	3.13E-04	3.14E-04
U 232	5.08E-05	5.22E-05	5.32E-05	5.44E-05	5.36E-05	4.94E-05	3.70E-05	2.29E-05	5.53E-09	1.56E-09	9.19E-10
U 234	9.59E-04	9.73E-04	9.88E-04	1.03E-03	1.10E-03	1.23E-03	1.56E-03	1.96E-03	2.79E-03	2.72E-03	4.59E-04
U 235	1.58E-05	1.58E-05	1.58E-05	1.58E-05	1.58E-05	1.58E-05	1.58E-05	1.58E-05	1.62E-05	1.93E-05	3.00E-05
U 236	2.86E-04	2.86E-04	2.86E-04	2.86E-04	2.86E-04	2.86E-04	2.87E-04	2.89E-04	3.12E-04	4.54E-04	5.27E-04
U 237	3.27E-03	3.12E-03	2.97E-03	2.57E-03	2.02E-03	1.25E-03	2.95E-04	2.66E-05	4.34E-09	2.08E-09	0.00E+00
U 238	3.13E-04	3.13E-04	3.13E-04	3.13E-04	3.13E-04	3.13E-04	3.13E-04	3.13E-04	3.13E-04	3.13E-04	3.14E-04
NP237	1.88E-03	1.88E-03	1.88E-03	1.88E-03	1.88E-03	1.89E-03	1.93E-03	1.99E-03	2.61E-03	2.79E-03	2.03E-03
NP239	3.20E-01	6.40E-03	6.40E-03	6.39E-03	6.39E-03	6.38E-03	6.37E-03	6.34E-03	5.82E-03	2.50E-03	7.17E-10
PU238	5.11E+00	5.07E+00	5.03E+00	4.91E+00	4.72E+00	4.36E+00	3.44E+00	2.32E+00	1.91E-03	3.34E-23	0.00E+00
PU239	4.16E-01	4.16E-01	4.16E-01	4.16E-01	4.16E-01	4.16E-01	4.15E-01	4.15E-01	4.04E-01	3.13E-01	7.17E-10
PU240	9.18E-01	9.18E-01	9.18E-01	9.18E-01	9.18E-01	9.17E-01	9.15E-01	9.11E-01	8.28E-01	3.19E-01	1.59E-09
PU241	1.31E+02	1.25E+02	1.19E+02	1.03E+02	8.09E+01	5.00E+01	1.18E+01	1.06E+00	1.74E-04	8.34E-05	0.00E+00
PU242	5.86E-03	5.86E-03	5.86E-03	5.86E-03	5.86E-03	5.86E-03	5.86E-03	5.86E-03	5.85E-03	5.76E-03	9.77E-04
AM241	2.02E-01	4.07E-01	6.01E-01	1.13E+00	1.85E+00	2.84E+00	3.94E+00	3.98E+00	9.48E-01	8.39E-05	0.00E+00
AM242M	1.07E-03	1.07E-03	1.06E-03	1.05E-03	1.02E-03	9.77E-04	8.52E-04	6.79E-04	1.12E-05	1.70E-23	0.00E+00
AM242	1.07E-03	1.06E-03	1.06E-03	1.04E-03	1.02E-03	9.72E-04	8.48E-04	6.75E-04	1.12E-05	1.69E-23	0.00E+00
AM243	6.40E-03	6.40E-03	6.40E-03	6.39E-03	6.39E-03	6.38E-03	6.37E-03	6.34E-03	5.82E-03	2.50E-03	7.17E-10
CM242	1.06E-03	9.17E-04	8.82E-04	8.63E-04	8.42E-04	8.04E-04	7.01E-04	5.58E-04	9.23E-06	1.40E-23	0.00E+00
CM243	4.37E-03	4.26E-03	4.16E-03	3.87E-03	3.42E-03	2.69E-03	1.29E-03	3.84E-04	1.20E-13	0.00E+00	0.00E+00
CM244	1.00E+00	9.65E-01	9.29E-01	8.28E-01	6.84E-01	4.66E-01	1.48E-01	2.18E-02	2.41E-17	0.00E+00	0.00E+00
CM245	1.88E-04	1.88E-04	1.88E-04	1.88E-04	1.88E-04	1.88E-04	1.87E-04	1.87E-04	1.73E-04	8.32E-05	0.00E+00
CM246	2.79E-04	2.79E-04	2.79E-04	2.78E-04	2.78E-04	2.78E-04	2.77E-04	2.75E-04	2.41E-04	6.44E-05	1.10E-33
Summe	1.39E+02	1.32E+02	1.27E+02	1.11E+02	8.95E+01	5.90E+01	2.07E+01	8.73E+00	2.21E+00	6.55E-01	3.20E-02

DWR mit UO ₂ /MOX-Brennstoff (90/10), 5.Rezyklierung, WA-Zeitpunkt 7A / MAWC											
Wärmeleistung der Aktinidennuklide [W/TSM]											
	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
BI212	0.00E+00	2.66E-07	4.59E-07	7.64E-07	8.95E-07	8.60E-07	6.47E-07	4.00E-07	9.61E-11	2.98E-11	4.63E-10
PO212	0.00E+00	5.33E-07	9.18E-07	1.53E-06	1.79E-06	1.72E-06	1.29E-06	8.00E-07	1.92E-10	5.97E-11	9.27E-10
PO216	0.00E+00	6.20E-07	1.07E-06	1.78E-06	2.08E-06	2.00E-06	1.51E-06	9.31E-07	2.24E-10	6.94E-11	1.08E-09
RN220	0.00E+00	5.95E-07	1.02E-06	1.71E-06	2.00E-06	1.92E-06	1.44E-06	8.93E-07	2.15E-10	6.66E-11	1.03E-09
RA224	0.00E+00	5.38E-07	9.26E-07	1.54E-06	1.81E-06	1.74E-06	1.31E-06	8.07E-07	1.94E-10	6.02E-11	9.34E-10
TH228	0.00E+00	5.13E-07	8.81E-07	1.47E-06	1.72E-06	1.65E-06	1.25E-06	7.70E-07	1.85E-10	5.74E-11	8.91E-10
TH234	0.00E+00	1.27E-07	1.27E-07	1.27E-07	1.27E-07	1.27E-07	1.27E-07	1.27E-07	1.27E-07	1.27E-07	1.27E-07
PA233	0.00E+00	4.27E-06	4.27E-06	4.27E-06	4.28E-06	4.29E-06	4.37E-06	4.52E-06	5.92E-06	6.34E-06	4.60E-06
PA234M	0.00E+00	1.55E-06	1.55E-06	1.55E-06	1.55E-06	1.55E-06	1.55E-06	1.55E-06	1.55E-06	1.55E-06	1.55E-06
U 232	1.63E-06	1.67E-06	1.71E-06	1.75E-06	1.72E-06	1.58E-06	1.19E-06	7.35E-07	1.77E-10	5.02E-11	2.95E-11
U 234	2.76E-05	2.80E-05	2.84E-05	2.96E-05	3.16E-05	3.53E-05	4.48E-05	5.64E-05	8.02E-05	7.84E-05	1.32E-05
U 235	4.37E-07	4.37E-07	4.37E-07	4.37E-07	4.37E-07	4.37E-07	4.38E-07	4.38E-07	4.48E-07	5.36E-07	8.32E-07
U 236	7.75E-06	7.75E-06	7.75E-06	7.75E-06	7.75E-06	7.76E-06	7.78E-06	7.82E-06	8.45E-06	1.23E-05	1.43E-05
U 238	7.93E-06	7.93E-06	7.93E-06	7.93E-06	7.93E-06	7.93E-06	7.93E-06	7.93E-06	7.93E-06	7.93E-06	7.94E-06
NP237	5.52E-05	5.52E-05	5.53E-05	5.53E-05	5.54E-05	5.56E-05	5.66E-05	5.85E-05	7.67E-05	8.21E-05	5.96E-05
NP239	7.73E-04	1.55E-05	1.55E-05	1.55E-05	1.54E-05	1.54E-05	1.54E-05	1.53E-05	1.41E-05	6.05E-06	1.73E-12
PU238	1.69E-01	1.68E-01	1.67E-01	1.63E-01	1.56E-01	1.45E-01	1.14E-01	7.69E-02	6.32E-05	1.11E-24	0.00E+00
PU239	1.29E-02	1.29E-02	1.29E-02	1.29E-02	1.29E-02	1.29E-02	1.29E-02	1.29E-02	1.26E-02	9.72E-03	2.23E-11
PU240	2.86E-02	2.86E-02	2.86E-02	2.86E-02	2.86E-02	2.86E-02	2.85E-02	2.84E-02	2.58E-02	9.94E-03	4.95E-11
PU241	4.03E-03	3.84E-03	3.66E-03	3.17E-03	2.49E-03	1.54E-03	3.64E-04	3.28E-05	5.35E-09	2.57E-09	0.00E+00
PU242	1.73E-04	1.73E-04	1.73E-04	1.73E-04	1.73E-04	1.73E-04	1.73E-04	1.73E-04	1.73E-04	1.70E-04	2.89E-05
AM241	6.77E-03	1.36E-02	2.01E-02	3.77E-02	6.18E-02	9.49E-02	1.32E-01	1.33E-01	3.17E-02	2.80E-06	0.00E+00
AM242M	4.23E-07	4.21E-07	4.19E-07	4.13E-07	4.04E-07	3.86E-07	3.37E-07	2.68E-07	4.43E-09	6.72E-27	0.00E+00
AM242	1.24E-06	1.23E-06	1.23E-06	1.21E-06	1.18E-06	1.13E-06	9.85E-07	7.85E-07	1.30E-08	1.97E-26	0.00E+00
AM243	2.06E-04	2.06E-04	2.06E-04	2.06E-04	2.06E-04	2.06E-04	2.05E-04	2.04E-04	1.88E-04	8.06E-05	2.31E-11
CM242	3.92E-05	3.38E-05	3.25E-05	3.18E-05	3.10E-05	2.96E-05	2.58E-05	2.06E-05	3.40E-07	5.17E-25	0.00E+00
CM243	1.60E-04	1.56E-04	1.53E-04	1.42E-04	1.26E-04	9.85E-05	4.75E-05	1.41E-05	4.41E-15	0.00E+00	0.00E+00
CM244	3.51E-02	3.38E-02	3.25E-02	2.90E-02	2.39E-02	1.63E-02	5.18E-03	7.64E-04	8.44E-19	0.00E+00	0.00E+00
CM245	6.27E-06	6.27E-06	6.27E-06	6.27E-06	6.27E-06	6.26E-06	6.25E-06	6.22E-06	5.78E-06	2.77E-06	0.00E+00
CM246	9.12E-06	9.12E-06	9.12E-06	9.11E-06	9.11E-06	9.09E-06	9.05E-06	8.99E-06	7.88E-06	2.11E-06	3.59E-35
Summe	2.58E-01	2.61E-01	2.65E-01	2.75E-01	2.87E-01	3.00E-01	2.93E-01	2.52E-01	7.07E-02	2.02E-02	7.56E-04

DWR mit UO₂/MOX-Brennstoff (90/10), 5.Rezyklierung, WA-Zeitpunkt 7A / MAWC
 Konzentrationen der Spaltproduktelemente [G/TSM]

	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
H	4.33E-02	4.10E-02	3.87E-02	3.27E-02	2.47E-02	1.41E-02	2.62E-03	1.58E-04	0.00E+00	0.00E+00	0.00E+00
C	3.80E-03	3.80E-03	3.79E-03	3.79E-03	3.79E-03	3.79E-03	3.77E-03	3.75E-03	3.36E-03	1.13E-03	0.00E+00
SE	6.53E-02	6.53E-02	6.53E-02	6.53E-02	6.53E-02	6.53E-02	6.53E-02	6.53E-02	6.52E-02	6.46E-02	5.89E-02
BR	2.59E-03	2.59E-03	2.59E-03	2.59E-03	2.59E-03	2.59E-03	2.59E-03	2.60E-03	2.66E-03	3.23E-03	8.94E-03
RB	4.00E-02	4.00E-02	4.00E-02	4.00E-02	4.00E-02	4.00E-02	4.00E-02	4.00E-02	4.00E-02	4.00E-02	4.00E-02
SR	9.30E-02	9.17E-02	9.05E-02	8.70E-02	8.17E-02	7.29E-02	5.61E-02	4.48E-02	3.99E-02	3.99E-02	3.99E-02
Y	5.29E-02	5.29E-02	5.29E-02	5.29E-02	5.29E-02	5.29E-02	5.29E-02	5.29E-02	5.29E-02	5.29E-02	5.29E-02
ZR	1.49E+01	1.49E+01	1.49E+01	1.49E+01	1.49E+01	1.49E+01	1.49E+01	1.49E+01	1.49E+01	1.49E+01	1.39E+01
MO	2.03E+00	2.03E+00	2.03E+00	2.03E+00	2.03E+00	2.03E+00	2.03E+00	2.03E+00	2.03E+00	2.03E+00	2.03E+00
TC	4.56E-01	4.56E-01	4.56E-01	4.56E-01	4.56E-01	4.56E-01	4.56E-01	4.56E-01	4.55E-01	4.42E-01	1.76E-02
RU	5.47E+00	5.47E+00	5.47E+00	5.47E+00	5.47E+00	5.47E+00	5.47E+00	5.47E+00	5.47E+00	5.48E+00	5.90E+00
RH	1.01E+00	1.01E+00	1.01E+00	1.01E+00	1.01E+00	1.01E+00	1.01E+00	1.01E+00	1.01E+00	1.01E+00	1.01E+00
PD	1.08E+00	1.08E+00	1.08E+00	1.08E+00	1.08E+00	1.08E+00	1.08E+00	1.08E+00	1.08E+00	1.08E+00	1.06E+00
AG	8.33E-03	8.33E-03	8.33E-03	8.33E-03	8.33E-03	8.33E-03	8.34E-03	8.34E-03	8.35E-03	8.51E-03	2.46E-02
CD	1.05E-02	1.05E-02	1.05E-02	1.05E-02	1.05E-02	1.05E-02	1.05E-02	1.05E-02	1.05E-02	1.05E-02	1.05E-02
SN	6.03E-02	6.03E-02	6.03E-02	6.03E-02	6.03E-02	6.03E-02	6.03E-02	6.03E-02	6.01E-02	5.86E-02	3.55E-02
SB	8.86E-03	8.56E-03	8.33E-03	7.89E-03	7.61E-03	7.51E-03	7.50E-03	7.50E-03	7.50E-03	7.50E-03	7.50E-03
TE	5.70E-01	5.70E-01	5.70E-01	5.71E-01	5.71E-01	5.71E-01	5.71E-01	5.71E-01	5.71E-01	5.73E-01	5.96E-01
I	2.79E-02	2.79E-02	2.79E-02	2.79E-02	2.79E-02	2.79E-02	2.79E-02	2.79E-02	2.79E-02	2.79E-02	2.70E-02
CS	2.96E-01	2.92E-01	2.89E-01	2.81E-01	2.68E-01	2.48E-01	2.08E-01	1.81E-01	1.68E-01	1.68E-01	1.59E-01
BA	2.02E-01	2.06E-01	2.09E-01	2.17E-01	2.30E-01	2.51E-01	2.90E-01	3.18E-01	3.30E-01	3.30E-01	3.39E-01
LA	1.45E-01	1.45E-01	1.45E-01	1.45E-01	1.45E-01	1.45E-01	1.45E-01	1.45E-01	1.45E-01	1.45E-01	1.45E-01
CE	2.87E-01	2.87E-01	2.87E-01	2.87E-01	2.87E-01	2.87E-01	2.87E-01	2.87E-01	2.87E-01	2.87E-01	2.87E-01
PR	1.34E-01	1.34E-01	1.34E-01	1.34E-01	1.34E-01	1.34E-01	1.34E-01	1.34E-01	1.34E-01	1.34E-01	1.34E-01
ND	4.85E-01	4.85E-01	4.85E-01	4.85E-01	4.85E-01	4.85E-01	4.85E-01	4.85E-01	4.85E-01	4.85E-01	4.85E-01
PM	2.91E-03	2.23E-03	1.71E-03	7.76E-04	2.07E-04	1.48E-05	5.34E-09	9.81E-15	0.00E+00	0.00E+00	0.00E+00
SM	9.93E-02	1.00E-01	1.00E-01	1.01E-01	1.02E-01	1.02E-01	1.02E-01	1.01E-01	1.01E-01	1.01E-01	1.01E-01
EU	1.62E-02	1.58E-02	1.55E-02	1.47E-02	1.37E-02	1.28E-02	1.24E-02	1.26E-02	1.33E-02	1.33E-02	1.33E-02
GD	1.85E-02	1.89E-02	1.93E-02	2.01E-02	2.11E-02	2.21E-02	2.28E-02	2.29E-02	2.29E-02	2.29E-02	2.29E-02
TB	2.70E-04	2.70E-04	2.70E-04	2.70E-04	2.70E-04	2.70E-04	2.70E-04	2.70E-04	2.70E-04	2.70E-04	2.70E-04
Summe	2.76E+01	2.76E+01	2.76E+01	2.76E+01	2.76E+01	2.75E+01	2.75E+01	2.75E+01	2.75E+01	2.75E+01	2.75E+01

DWR mit UO ₂ /MOX-Brennstoff (90/10), 5.Rezyklierung, WA-Zeitpunkt 7A / MAWC Radioaktivität der Spaltprodukt nuklide [Ci/TSM]												
ZEITEN NACH DER WIEDERAUFARBEITUNG [A]												
		0	1	2	5	10	20	50	100	1000	10000	1000000
H 3		4.18E+02	3.96E+02	3.74E+02	3.16E+02	2.39E+02	1.36E+02	2.53E+01	1.53E+00	0.00E+00	0.00E+00	0.00E+00
C 14		1.69E-02	1.69E-02	1.69E-02	1.69E-02	1.69E-02	1.69E-02	1.68E-02	1.67E-02	1.50E-02	5.05E-03	0.00E+00
SE 79		4.43E-04	4.43E-04	4.43E-04	4.43E-04	4.43E-04	4.43E-04	4.43E-04	4.42E-04	4.38E-04	3.98E-04	1.03E-08
SR 90		7.24E+00	7.07E+00	6.90E+00	6.43E+00	5.71E+00	4.50E+00	2.20E+00	6.70E-01	3.35E-10	0.00E+00	0.00E+00
Y 90		7.24E+00	7.07E+00	6.90E+00	6.43E+00	5.71E+00	4.50E+00	2.20E+00	6.70E-01	3.35E-10	0.00E+00	0.00E+00
ZR 93		7.34E-03	7.34E-03	7.34E-03	7.34E-03	7.34E-03	7.34E-03	7.34E-03	7.34E-03	7.33E-03	7.30E-03	4.66E-03
NB 93M		7.05E-05	4.13E-04	7.39E-04	1.62E-03	2.82E-03	4.48E-03	6.43E-03	6.93E-03	6.97E-03	6.94E-03	4.43E-03
TC 99		7.74E-03	7.74E-03	7.74E-03	7.74E-03	7.74E-03	7.74E-03	7.74E-03	7.73E-03	7.71E-03	7.49E-03	2.99E-04
RU106		1.07E+01	5.38E+00	2.71E+00	3.44E-01	1.11E-02	1.19E-05	1.31E-14	1.55E-29	0.00E+00	0.00E+00	0.00E+00
RH106		9.63E+00	5.38E+00	2.71E+00	3.44E-01	1.11E-02	1.19E-05	1.31E-14	1.55E-29	0.00E+00	0.00E+00	0.00E+00
PD107		8.29E-05	8.29E-05	8.29E-05	8.29E-05	8.29E-05	8.29E-05	8.29E-05	8.29E-05	8.29E-05	8.28E-05	7.45E-05
CD113M		3.67E-03	3.50E-03	3.34E-03	2.90E-03	2.28E-03	1.42E-03	3.41E-04	3.18E-05	8.63E-24	0.00E+00	0.00E+00
SN121M		1.90E-04	1.87E-04	1.85E-04	1.77E-04	1.65E-04	1.44E-04	9.49E-05	4.74E-05	1.80E-10	0.00E+00	0.00E+00
SN126		7.03E-04	7.03E-04	7.03E-04	7.03E-04	7.03E-04	7.03E-04	7.03E-04	7.02E-04	6.98E-04	6.56E-04	7.11E-07
SB125		1.41E+00	1.10E+00	8.56E-01	4.03E-01	1.15E-01	9.33E-03	5.00E-06	1.77E-11	0.00E+00	0.00E+00	0.00E+00
SB126		6.89E-05	9.84E-05	9.84E-05	9.84E-05	9.84E-05	9.84E-05	9.84E-05	9.83E-05	9.77E-05	9.18E-05	9.95E-08
SB126M		4.92E-04	7.03E-04	7.03E-04	7.03E-04	7.03E-04	7.03E-04	7.03E-04	7.02E-04	6.98E-04	6.56E-04	7.11E-07
TE125M		4.93E-01	2.70E-01	2.09E-01	9.84E-02	2.80E-02	2.28E-03	1.22E-06	4.32E-12	0.00E+00	0.00E+00	0.00E+00
CS134		2.09E+00	1.50E+00	1.07E+00	3.90E-01	7.26E-02	2.52E-03	1.05E-07	5.31E-15	0.00E+00	0.00E+00	0.00E+00
CS135		4.14E-05	4.14E-05	4.14E-05	4.14E-05	4.14E-05	4.14E-05	4.14E-05	4.14E-05	4.14E-05	4.13E-05	3.06E-05
CS137		1.10E+01	1.07E+01	1.05E+01	9.77E+00	8.71E+00	6.91E+00	3.46E+00	1.09E+00	1.02E-09	0.00E+00	0.00E+00
BA137M		1.04E+01	1.01E+01	9.91E+00	9.24E+00	8.24E+00	6.54E+00	3.27E+00	1.03E+00	9.63E-10	0.00E+00	0.00E+00
CE144		2.55E-01	1.05E-01	4.29E-02	2.97E-03	3.46E-05	4.70E-09	1.18E-20	5.44E-40	0.00E+00	0.00E+00	0.00E+00
PR144		2.55E-01	1.05E-01	4.29E-02	2.97E-03	3.46E-05	4.70E-09	1.18E-20	5.44E-40	0.00E+00	0.00E+00	0.00E+00
PR144M		3.06E-03	1.26E-03	5.15E-04	3.56E-05	4.16E-07	5.64E-11	1.41E-22	6.53E-42	0.00E+00	0.00E+00	0.00E+00
PM147		2.70E+00	2.07E+00	1.59E+00	7.20E-01	1.92E-01	1.37E-02	4.95E-06	9.10E-12	0.00E+00	0.00E+00	0.00E+00
SM151		3.91E-02	3.88E-02	3.85E-02	3.76E-02	3.62E-02	3.35E-02	2.66E-02	1.81E-02	1.77E-05	0.00E+00	0.00E+00
EU152		3.75E-04	3.56E-04	3.39E-04	2.91E-04	2.25E-04	1.35E-04	2.93E-05	2.30E-06	2.79E-26	0.00E+00	0.00E+00
EU154		9.47E-01	8.74E-01	8.06E-01	6.33E-01	4.23E-01	1.89E-01	1.69E-02	3.00E-04	0.00E+00	0.00E+00	0.00E+00
EU155		3.91E-01	3.40E-01	2.95E-01	1.94E-01	9.66E-02	2.39E-02	3.61E-04	3.33E-07	0.00E+00	0.00E+00	0.00E+00
Summe		4.83E+02	4.48E+02	4.19E+02	3.51E+02	2.68E+02	1.59E+02	3.65E+01	5.05E+00	3.91E-02	2.87E-02	9.50E-03

DWR mit UO₂/MOX-Brennstoff (90/10), 5.Rezyklierung, WA-Zeitpunkt 7A / MAWC
 Wärmeleistung der Spaltprodukt nuklide [W/TSM]

		ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
		0	1	2	5	10	20	50	100	1000	10000	1000000
H	3	1.41E-02	1.34E-02	1.26E-02	1.07E-02	8.07E-03	4.60E-03	8.55E-04	5.17E-05	0.00E+00	0.00E+00	0.00E+00
C	14	4.97E-06	4.97E-06	4.96E-06	4.96E-06	4.96E-06	4.95E-06	4.94E-06	4.91E-06	4.40E-06	1.48E-06	0.00E+00
SE	79	1.10E-07	1.10E-07	1.10E-07	1.10E-07	1.10E-07	1.10E-07	1.10E-07	1.10E-07	1.09E-07	9.91E-08	2.57E-12
SR	90	8.40E-03	8.20E-03	8.01E-03	7.46E-03	6.62E-03	5.22E-03	2.56E-03	7.78E-04	3.89E-13	0.00E+00	0.00E+00
Y	90	4.01E-02	3.92E-02	3.83E-02	3.56E-02	3.16E-02	2.49E-02	1.22E-02	3.72E-03	1.86E-12	0.00E+00	0.00E+00
ZR	93	8.52E-07	8.52E-07	8.52E-07	8.52E-07	8.52E-07	8.52E-07	8.52E-07	8.52E-07	8.52E-07	8.49E-07	5.42E-07
NB	93M	1.25E-08	7.32E-08	1.31E-07	2.87E-07	5.01E-07	7.94E-07	1.14E-06	1.23E-06	1.23E-06	1.23E-06	7.85E-07
TC	99	3.88E-06	3.88E-06	3.88E-06	3.88E-06	3.88E-06	3.88E-06	3.88E-06	3.88E-06	3.87E-06	3.76E-06	1.50E-07
RU	106	6.34E-04	3.19E-04	1.60E-04	2.04E-05	6.55E-07	7.05E-10	7.79E-19	9.18E-34	0.00E+00	0.00E+00	0.00E+00
RH	106	9.24E-02	5.16E-02	2.59E-02	3.30E-03	1.06E-04	1.14E-07	1.26E-16	1.49E-31	0.00E+00	0.00E+00	0.00E+00
AG	110M	6.64E-06	2.41E-06	8.76E-07	4.19E-08	2.65E-10	1.06E-14	6.72E-28	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CD	113M	6.18E-06	5.89E-06	5.62E-06	4.87E-06	3.84E-06	2.39E-06	5.75E-07	5.35E-08	1.45E-26	0.00E+00	0.00E+00
SN	121M	3.80E-07	3.75E-07	3.70E-07	3.55E-07	3.31E-07	2.88E-07	1.90E-07	9.50E-08	3.61E-13	0.00E+00	0.00E+00
SN	126	8.77E-07	8.77E-07	8.77E-07	8.77E-07	8.77E-07	8.76E-07	8.76E-07	8.76E-07	8.71E-07	8.18E-07	8.86E-10
SB	125	4.42E-03	3.44E-03	2.68E-03	1.26E-03	3.59E-04	2.92E-05	1.56E-08	5.53E-14	0.00E+00	0.00E+00	0.00E+00
SB	126	1.27E-06	1.82E-06	1.82E-06	1.82E-06	1.82E-06	1.82E-06	1.82E-06	1.82E-06	1.81E-06	1.70E-06	1.84E-09
SB	126M	6.26E-06	8.95E-06	8.95E-06	8.95E-06	8.95E-06	8.95E-06	8.95E-06	8.94E-06	8.89E-06	8.35E-06	9.05E-09
TE	125M	4.14E-04	2.27E-04	1.76E-04	8.27E-05	2.36E-05	1.91E-06	1.03E-09	3.63E-15	0.00E+00	0.00E+00	0.00E+00
CS	134	2.13E-02	1.52E-02	1.09E-02	3.97E-03	7.39E-04	2.57E-05	1.07E-09	5.40E-17	0.00E+00	0.00E+00	0.00E+00
CS	135	1.38E-08	1.38E-08	1.38E-08	1.38E-08	1.38E-08	1.38E-08	1.38E-08	1.38E-08	1.38E-08	1.38E-08	1.02E-08
CS	137	1.21E-02	1.19E-02	1.16E-02	1.08E-02	9.63E-03	7.64E-03	3.82E-03	1.20E-03	1.13E-12	0.00E+00	0.00E+00
BA	137M	4.07E-02	3.98E-02	3.89E-02	3.63E-02	3.23E-02	2.57E-02	1.28E-02	4.04E-03	3.78E-12	0.00E+00	0.00E+00
CE	144	1.69E-04	6.94E-05	2.85E-05	1.97E-06	2.30E-08	3.12E-12	7.81E-24	3.61E-43	0.00E+00	0.00E+00	0.00E+00
PR	144	1.87E-03	7.69E-04	3.16E-04	2.18E-05	2.55E-07	3.46E-11	8.66E-23	4.00E-42	0.00E+00	0.00E+00	0.00E+00
PR	144M	1.05E-06	4.29E-07	1.76E-07	1.22E-08	1.42E-10	1.93E-14	4.83E-26	2.23E-45	0.00E+00	0.00E+00	0.00E+00
PM	147	9.67E-04	7.43E-04	5.70E-04	2.58E-04	6.89E-05	4.91E-06	1.78E-09	3.26E-15	0.00E+00	0.00E+00	0.00E+00
SM	151	4.59E-06	4.55E-06	4.52E-06	4.41E-06	4.25E-06	3.93E-06	3.12E-06	2.12E-06	2.08E-09	0.00E+00	0.00E+00
EU	152	2.84E-06	2.70E-06	2.57E-06	2.20E-06	1.71E-06	1.03E-06	2.22E-07	1.74E-08	2.11E-28	0.00E+00	0.00E+00
EU	154	8.47E-03	7.82E-03	7.21E-03	5.66E-03	3.78E-03	1.69E-03	1.51E-04	2.68E-06	0.00E+00	0.00E+00	0.00E+00
EU	155	2.84E-04	2.47E-04	2.15E-04	1.41E-04	7.02E-05	1.74E-05	2.62E-07	2.42E-10	0.00E+00	0.00E+00	0.00E+00
Summe		2.46E-01	1.93E-01	1.58E-01	1.16E-01	9.35E-02	6.99E-02	3.25E-02	9.82E-03	2.20E-05	1.83E-05	1.51E-06

DWR mit UO₂/MOX-Brennstoff (90/10), 5.Rezyklierung, WA-Zeitpunkt 7A / FKS
Radioaktivität der Aktinidennuklide [Ci/TSM]

	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
PB212	0.00E+00	4.76E-05	8.30E-05	1.42E-04	1.71E-04	1.67E-04	1.26E-04	7.78E-05	1.35E-08	6.65E-10	1.04E-07
BI212	0.00E+00	4.76E-05	8.30E-05	1.42E-04	1.71E-04	1.67E-04	1.26E-04	7.78E-05	1.35E-08	6.65E-10	1.04E-07
PO212	0.00E+00	3.05E-05	5.32E-05	9.12E-05	1.10E-04	1.07E-04	8.07E-05	4.98E-05	8.65E-09	4.26E-10	6.64E-08
PO216	0.00E+00	4.76E-05	8.30E-05	1.42E-04	1.71E-04	1.67E-04	1.26E-04	7.78E-05	1.35E-08	6.65E-10	1.04E-07
RN220	0.00E+00	4.76E-05	8.30E-05	1.42E-04	1.71E-04	1.67E-04	1.26E-04	7.78E-05	1.35E-08	6.65E-10	1.04E-07
RA224	0.00E+00	4.76E-05	8.30E-05	1.42E-04	1.71E-04	1.67E-04	1.26E-04	7.78E-05	1.35E-08	6.65E-10	1.04E-07
TH228	0.00E+00	4.76E-05	8.29E-05	1.42E-04	1.71E-04	1.67E-04	1.26E-04	7.78E-05	1.35E-08	6.65E-10	1.04E-07
TH234	0.00E+00	9.40E-04	9.40E-04	9.40E-04	9.40E-04	9.40E-04	9.40E-04	9.40E-04	9.40E-04	9.40E-04	9.42E-04
PA233	0.00E+00	4.76E-06	9.83E-06	2.68E-05	6.00E-05	1.40E-04	4.33E-04	9.48E-04	5.77E-03	7.24E-03	5.26E-03
PA234M	0.00E+00	9.40E-04	9.40E-04	9.40E-04	9.40E-04	9.40E-04	9.40E-04	9.40E-04	9.40E-04	9.40E-04	9.42E-04
U 232	1.52E-04	1.60E-04	1.66E-04	1.75E-04	1.76E-04	1.63E-04	1.22E-04	7.57E-05	1.31E-08	0.00E+00	0.00E+00
U 234	2.88E-03	2.95E-03	3.02E-03	3.23E-03	3.57E-03	4.22E-03	5.87E-03	7.88E-03	1.20E-02	1.18E-02	1.60E-03
U 235	4.73E-05	4.73E-05	4.73E-05	4.73E-05	4.73E-05	4.73E-05	4.74E-05	4.75E-05	4.93E-05	6.55E-05	1.23E-04
U 236	8.58E-04	8.58E-04	8.58E-04	8.59E-04	8.59E-04	8.61E-04	8.65E-04	8.71E-04	9.87E-04	1.69E-03	2.08E-03
U 237	9.82E-03	1.56E-02	1.49E-02	1.29E-02	1.01E-02	6.25E-03	1.48E-03	1.33E-04	1.61E-10	9.08E-11	0.00E+00
U 238	9.40E-04	9.40E-04	9.40E-04	9.40E-04	9.40E-04	9.40E-04	9.40E-04	9.40E-04	9.40E-04	9.40E-04	9.42E-04
NP237	0.00E+00	4.76E-06	9.83E-06	2.68E-05	6.00E-05	1.40E-04	4.33E-04	9.48E-04	5.77E-03	7.24E-03	5.26E-03
NP238	0.00E+00	3.73E-04	3.71E-04	3.66E-04	3.58E-04	3.42E-04	2.98E-04	2.38E-04	3.93E-06	5.96E-24	0.00E+00
NP239	0.00E+00	4.48E-01	4.48E-01	4.48E-01	4.47E-01	4.47E-01	4.46E-01	4.44E-01	4.08E-01	1.75E-01	1.47E-10
PU238	2.55E+01	2.53E+01	2.51E+01	2.46E+01	2.36E+01	2.18E+01	1.72E+01	1.16E+01	1.02E-02	2.34E-21	0.00E+00
PU239	2.08E+00	2.08E+00	2.08E+00	2.08E+00	2.08E+00	2.08E+00	2.08E+00	2.07E+00	2.03E+00	1.63E+00	1.48E-10
PU240	4.59E+00	4.59E+00	4.59E+00	4.59E+00	4.58E+00	4.58E+00	4.57E+00	4.54E+00	4.13E+00	1.59E+00	7.92E-09
PU241	6.54E+02	6.23E+02	5.94E+02	5.14E+02	4.04E+02	2.50E+02	5.90E+01	5.32E+00	6.42E-06	3.63E-06	0.00E+00
PU242	2.93E-02	2.93E-02	2.93E-02	2.93E-02	2.93E-02	2.93E-02	2.93E-02	2.93E-02	2.92E-02	2.88E-02	4.88E-03
AM241	1.42E+01	1.52E+01	1.61E+01	1.87E+01	2.22E+01	2.69E+01	3.19E+01	3.11E+01	7.39E+00	7.63E-06	0.00E+00
AM242M	7.49E-02	7.46E-02	7.43E-02	7.33E-02	7.16E-02	6.84E-02	5.97E-02	4.75E-02	7.85E-04	1.19E-21	0.00E+00
AM242	7.46E-02	7.42E-02	7.39E-02	7.29E-02	7.12E-02	6.81E-02	5.94E-02	4.73E-02	7.81E-04	1.19E-21	0.00E+00
AM243	4.48E-01	4.48E-01	4.48E-01	4.48E-01	4.47E-01	4.47E-01	4.46E-01	4.44E-01	4.08E-01	1.75E-01	1.47E-10
CM242	0.00E+00	4.84E-02	5.84E-02	6.04E-02	5.89E-02	5.63E-02	4.91E-02	3.91E-02	6.46E-04	9.83E-22	0.00E+00
CF249	1.90E-04	1.90E-04	1.90E-04	1.89E-04	1.87E-04	1.83E-04	1.73E-04	1.56E-04	2.64E-05	4.93E-13	0.00E+00
Summe	7.01E+02	6.72E+02	6.43E+02	5.65E+02	4.58E+02	3.06E+02	1.16E+02	5.57E+01	1.44E+01	3.64E+00	9.27E-02

DWR mit UO ₂ /MOX-Brennstoff (90/10), 5.Rezyklierung, WA-Zeitpunkt 7A / FKS											
Wärmeleistung der Aktinidennuklide [W/TSM]											
	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
TL208	0.00E+00	4.02E-07	7.02E-07	1.20E-06	1.45E-06	1.41E-06	1.06E-06	6.57E-07	1.14E-10	5.62E-12	8.75E-10
BI212	0.00E+00	8.10E-07	1.41E-06	2.42E-06	2.91E-06	2.84E-06	2.14E-06	1.32E-06	2.29E-10	1.13E-11	1.76E-09
PO212	0.00E+00	1.62E-06	2.83E-06	4.84E-06	5.82E-06	5.68E-06	4.28E-06	2.65E-06	4.59E-10	2.26E-11	3.52E-09
PO216	0.00E+00	1.89E-06	3.29E-06	5.63E-06	6.77E-06	6.61E-06	4.98E-06	3.08E-06	5.34E-10	2.63E-11	4.10E-09
RN220	0.00E+00	1.81E-06	3.15E-06	5.40E-06	6.49E-06	6.34E-06	4.78E-06	2.95E-06	5.12E-10	2.53E-11	3.93E-09
RA224	0.00E+00	1.63E-06	2.85E-06	4.88E-06	5.87E-06	5.73E-06	4.32E-06	2.67E-06	4.63E-10	2.28E-11	3.55E-09
TH228	0.00E+00	1.56E-06	2.71E-06	4.65E-06	5.59E-06	5.46E-06	4.12E-06	2.54E-06	4.41E-10	2.18E-11	3.39E-09
PA233	0.00E+00	1.08E-08	2.23E-08	6.08E-08	1.36E-07	3.18E-07	9.84E-07	2.15E-06	1.31E-05	1.64E-05	1.19E-05
PA234M	0.00E+00	4.65E-06	4.65E-06	4.65E-06	4.65E-06	4.65E-06	4.65E-06	4.65E-06	4.65E-06	4.65E-06	4.65E-06
U 232	4.89E-06	5.14E-06	5.33E-06	5.62E-06	5.65E-06	5.24E-06	3.93E-06	2.43E-06	4.20E-10	0.00E+00	0.00E+00
U 234	8.28E-05	8.49E-05	8.69E-05	9.30E-05	1.03E-04	1.21E-04	1.69E-04	2.27E-04	3.47E-04	3.39E-04	4.59E-05
U 235	1.31E-06	1.31E-06	1.31E-06	1.31E-06	1.31E-06	1.31E-06	1.31E-06	1.32E-06	1.37E-06	1.82E-06	3.41E-06
U 236	2.32E-05	2.32E-05	2.32E-05	2.33E-05	2.33E-05	2.33E-05	2.34E-05	2.36E-05	2.67E-05	4.59E-05	5.63E-05
U 238	2.38E-05	2.38E-05	2.38E-05	2.38E-05	2.38E-05	2.38E-05	2.38E-05	2.38E-05	2.38E-05	2.38E-05	2.38E-05
NP237	0.00E+00	1.40E-07	2.89E-07	7.87E-07	1.76E-06	4.12E-06	1.27E-05	2.79E-05	1.70E-04	2.13E-04	1.54E-04
NP238	0.00E+00	1.79E-06	1.78E-06	1.75E-06	1.71E-06	1.64E-06	1.43E-06	1.14E-06	1.88E-08	2.85E-26	0.00E+00
NP239	0.00E+00	1.08E-03	1.08E-03	1.08E-03	1.08E-03	1.08E-03	1.08E-03	1.07E-03	9.85E-04	4.23E-04	3.56E-13
PU238	8.47E-01	8.40E-01	8.33E-01	8.14E-01	7.82E-01	7.23E-01	5.71E-01	3.85E-01	3.37E-04	7.75E-23	0.00E+00
PU239	6.46E-02	6.46E-02	6.46E-02	6.46E-02	6.46E-02	6.46E-02	6.45E-02	6.45E-02	6.32E-02	5.07E-02	4.61E-12
PU240	1.43E-01	1.43E-01	1.43E-01	1.43E-01	1.43E-01	1.43E-01	1.42E-01	1.41E-01	1.29E-01	4.95E-02	2.47E-10
PU241	2.02E-02	1.92E-02	1.83E-02	1.59E-02	1.25E-02	7.70E-03	1.82E-03	1.64E-04	1.98E-10	1.12E-10	0.00E+00
PU242	8.65E-04	8.65E-04	8.65E-04	8.65E-04	8.65E-04	8.65E-04	8.65E-04	8.65E-04	8.64E-04	8.50E-04	1.44E-04
AM241	4.74E-01	5.07E-01	5.39E-01	6.25E-01	7.42E-01	9.00E-01	1.06E+00	1.04E+00	2.47E-01	2.55E-07	0.00E+00
AM242M	2.96E-05	2.95E-05	2.93E-05	2.89E-05	2.83E-05	2.70E-05	2.36E-05	1.88E-05	3.10E-07	4.70E-25	0.00E+00
AM242	8.66E-05	8.62E-05	8.58E-05	8.47E-05	8.28E-05	7.91E-05	6.90E-05	5.49E-05	9.08E-07	1.38E-24	0.00E+00
AM243	1.44E-02	1.44E-02	1.44E-02	1.44E-02	1.44E-02	1.44E-02	1.44E-02	1.43E-02	1.31E-02	5.65E-03	4.75E-12
CM242	0.00E+00	1.78E-03	2.15E-03	2.22E-03	2.17E-03	2.07E-03	1.81E-03	1.44E-03	2.38E-05	3.62E-23	0.00E+00
CF249	7.08E-06	7.08E-06	7.08E-06	7.04E-06	6.97E-06	6.83E-06	6.44E-06	5.83E-06	9.84E-07	1.84E-14	0.00E+00
CF250	4.74E-05	4.49E-05	4.26E-05	3.63E-05	2.79E-05	1.64E-05	3.35E-06	2.37E-07	4.65E-28	0.00E+00	0.00E+00
CF251	9.80E-08	9.79E-08	9.78E-08	9.76E-08	9.72E-08	9.65E-08	9.43E-08	9.07E-08	4.53E-08	4.36E-11	0.00E+00
Summe	1.56E+00	1.59E+00	1.62E+00	1.68E+00	1.76E+00	1.86E+00	1.86E+00	1.65E+00	4.55E-01	1.08E-01	2.20E-03

DWR mit UO₂/MOX-Brennstoff (90/10), 5.Rezyklierung, WA-Zeitpunkt 7A / FKS
 Konzentrationen der Spaltproduktelemente [G/TSM]

	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
H	4.33E-02	4.10E-02	3.87E-02	3.27E-02	2.47E-02	1.41E-02	2.62E-03	1.58E-04	0.00E+00	0.00E+00	0.00E+00
C	3.80E-03	3.80E-03	3.79E-03	3.79E-03	3.79E-03	3.79E-03	3.77E-03	3.75E-03	3.36E-03	1.13E-03	0.00E+00
SE	2.61E+01	2.61E+01	2.61E+01	2.61E+01	2.61E+01	2.61E+01	2.61E+01	2.61E+01	2.61E+01	2.59E+01	2.36E+01
BR	0.00E+00	2.71E-05	5.42E-05	1.36E-04	2.71E-04	5.42E-04	1.36E-03	2.71E-03	2.70E-02	2.57E-01	2.54E+00
Y	1.06E+00	1.06E+00	1.06E+00	1.06E+00	1.06E+00	1.06E+00	1.06E+00	1.06E+00	1.06E+00	1.06E+00	1.06E+00
ZR	1.49E+03	1.49E+03	1.49E+03	1.49E+03	1.49E+03	1.49E+03	1.49E+03	1.49E+03	1.49E+03	1.49E+03	1.38E+03
NB	4.21E-03	4.34E-03	4.47E-03	4.87E-03	5.53E-03	6.85E-03	1.08E-02	1.74E-02	1.36E-01	1.32E+00	1.06E+02
MO	2.03E+03	2.03E+03	2.03E+03	2.03E+03	2.03E+03	2.03E+03	2.03E+03	2.03E+03	2.03E+03	2.03E+03	2.03E+03
TC	1.82E+02	1.82E+02	1.82E+02	1.82E+02	1.82E+02	1.82E+02	1.82E+02	1.82E+02	1.82E+02	1.77E+02	7.05E+00
RU	1.64E+03	1.64E+03	1.64E+03	1.64E+03	1.64E+03	1.64E+03	1.64E+03	1.64E+03	1.64E+03	1.65E+03	1.81E+03
RH	2.79E+02	2.79E+02	2.79E+02	2.79E+02	2.79E+02	2.79E+02	2.79E+02	2.79E+02	2.79E+02	2.79E+02	2.79E+02
PD	3.59E+02	3.59E+02	3.59E+02	3.60E+02	3.60E+02	3.60E+02	3.60E+02	3.60E+02	3.60E+02	3.60E+02	3.54E+02
AG	7.92E+01	7.92E+01	7.92E+01	7.92E+01	7.92E+01	7.92E+01	7.92E+01	7.92E+01	7.92E+01	7.92E+01	8.46E+01
CD	2.11E+01	2.11E+01	2.11E+01	2.11E+01	2.11E+01	2.11E+01	2.10E+01	2.10E+01	2.10E+01	2.10E+01	2.10E+01
IN	0.00E+00	1.57E-03	3.06E-03	7.15E-03	1.28E-02	2.07E-02	3.07E-02	3.35E-02	3.38E-02	3.38E-02	3.38E-02
SN	4.82E+01	4.82E+01	4.82E+01	4.82E+01	4.82E+01	4.82E+01	4.82E+01	4.82E+01	4.81E+01	4.69E+01	2.84E+01
SB	1.20E+01	1.16E+01	1.13E+01	1.07E+01	1.03E+01	1.02E+01	1.02E+01	1.02E+01	1.02E+01	1.02E+01	1.02E+01
TE	2.28E+02	2.28E+02	2.29E+02	2.29E+02	2.30E+02	2.30E+02	2.30E+02	2.30E+02	2.30E+02	2.31E+02	2.50E+02
I	0.00E+00	5.11E-08	5.62E-08	5.67E-08	5.67E-08	5.67E-08	5.67E-08	5.67E-08	5.67E-08	5.67E-08	5.67E-08
Summe	6.39E+03	6.39E+03	6.39E+03	6.39E+03	6.39E+03	6.39E+03	6.39E+03	6.39E+03	6.39E+03	6.39E+03	6.39E+03

DWR mit UO ₂ /MOX-Brennstoff (90/10), 5.Rezyklierung, WA-Zeitpunkt 7A / FKS Radioaktivität der Spaltprodukt nuklide [Ci/TSM]												
ZEITEN NACH DER WIEDERAUFARBEITUNG [A]												
		0	1	2	5	10	20	50	100	1000	10000	1000000
H 3		4.18E+02	3.96E+02	3.74E+02	3.16E+02	2.39E+02	1.36E+02	2.53E+01	1.53E+00	0.00E+00	0.00E+00	0.00E+00
C 14		1.69E-02	1.69E-02	1.69E-02	1.69E-02	1.69E-02	1.69E-02	1.68E-02	1.67E-02	1.50E-02	5.05E-03	0.00E+00
SE 79		1.77E-01	1.77E-01	1.77E-01	1.77E-01	1.77E-01	1.77E-01	1.77E-01	1.77E-01	1.75E-01	1.59E-01	4.13E-06
ZR 93		7.34E-01	7.34E-01	7.34E-01	7.34E-01	7.34E-01	7.34E-01	7.34E-01	7.34E-01	7.33E-01	7.30E-01	4.66E-01
NB 93M		6.70E-01	6.71E-01	6.72E-01	6.76E-01	6.81E-01	6.87E-01	6.95E-01	6.97E-01	6.97E-01	6.94E-01	4.43E-01
NB 94		2.09E-04	2.09E-04	2.09E-04	2.08E-04	2.08E-04	2.08E-04	2.08E-04	2.08E-04	2.02E-04	1.48E-04	3.11E-19
NB 95M		1.15E-08	8.14E-11	1.56E-12	1.09E-17	2.81E-26	1.85E-43	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TC 99		3.09E+00	3.09E+00	3.09E+00	3.09E+00	3.09E+00	3.09E+00	3.09E+00	3.09E+00	3.08E+00	3.00E+00	1.20E-01
RU106		3.21E+03	1.61E+03	8.12E+02	1.03E+02	3.32E+00	3.44E-03	3.79E-12	4.47E-27	0.00E+00	0.00E+00	0.00E+00
RH106		2.68E+03	1.61E+03	8.12E+02	1.03E+02	3.32E+00	3.44E-03	3.79E-12	4.47E-27	0.00E+00	0.00E+00	0.00E+00
PD107		2.76E-02	2.76E-02	2.76E-02	2.76E-02	2.76E-02	2.76E-02	2.76E-02	2.76E-02	2.76E-02	2.76E-02	2.48E-02
AG108		3.17E-06	3.15E-06	3.14E-06	3.08E-06	3.00E-06	2.84E-06	2.41E-06	1.84E-06	1.35E-08	6.38E-30	0.00E+00
AG108M		3.56E-05	3.54E-05	3.52E-05	3.47E-05	3.37E-05	3.19E-05	2.71E-05	2.06E-05	1.52E-07	7.17E-29	0.00E+00
AG109M		3.97E-07	4.84E-08	2.81E-08	5.46E-09	3.57E-10	1.53E-12	1.20E-19	1.71E-31	0.00E+00	0.00E+00	0.00E+00
AG110		5.02E-02	1.82E-02	6.63E-03	3.17E-04	2.00E-06	7.99E-11	5.08E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00
AG110M		3.78E+00	1.37E+00	4.98E-01	2.39E-02	1.51E-04	6.01E-09	3.82E-22	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CD109		8.35E-08	4.84E-08	2.81E-08	5.46E-09	3.57E-10	1.53E-12	1.20E-19	1.71E-31	0.00E+00	0.00E+00	0.00E+00
CD113M		7.34E+00	7.00E+00	6.68E+00	5.79E+00	4.57E+00	2.84E+00	6.83E-01	6.35E-02	1.73E-20	0.00E+00	0.00E+00
SN119M		8.54E-02	3.04E-02	1.08E-02	4.88E-04	2.79E-06	9.10E-11	3.16E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SN121M		1.52E-01	1.50E-01	1.48E-01	1.42E-01	1.32E-01	1.15E-01	7.59E-02	3.79E-02	1.44E-07	0.00E+00	0.00E+00
SN123		2.16E-03	3.04E-04	4.29E-05	1.20E-07	6.69E-12	2.07E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SN126		5.62E-01	5.62E-01	5.62E-01	5.62E-01	5.62E-01	5.62E-01	5.62E-01	5.62E-01	5.58E-01	5.25E-01	5.65E-04
SB124		1.61E-10	2.40E-12	3.58E-14	1.19E-19	8.82E-29	4.83E-47	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SB125		1.92E+03	1.49E+03	1.16E+03	5.47E+02	1.56E+02	1.27E+01	6.79E-03	2.40E-08	0.00E+00	0.00E+00	0.00E+00
SB126		9.35E-02	7.87E-02	7.87E-02	7.87E-02	7.87E-02	7.87E-02	7.87E-02	7.87E-02	7.82E-02	7.34E-02	7.91E-05
SB126M		6.68E-01	5.62E-01	5.62E-01	5.62E-01	5.62E-01	5.62E-01	5.62E-01	5.62E-01	5.58E-01	5.25E-01	5.65E-04
TE123M		1.96E-06	2.36E-07	2.85E-08	5.07E-11	1.30E-15	8.46E-25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TE125M		1.97E+02	3.61E+02	2.83E+02	1.33E+02	3.80E+01	3.09E+00	1.66E-03	5.86E-09	0.00E+00	0.00E+00	0.00E+00
TE127		5.22E-04	5.12E-05	5.02E-06	4.74E-09	4.30E-14	3.54E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TE127M		5.33E-04	5.23E-05	5.13E-06	4.84E-09	4.39E-14	3.61E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Summe		8.58E+03	5.49E+03	3.46E+03	1.21E+03	4.50E+02	1.61E+02	3.20E+01	7.58E+00	5.93E+00	5.73E+00	1.06E+00

DWR mit UO₂/MOX-Brennstoff (90/10), 5.Rezyklierung, WA-Zeitpunkt 7A / FKS
 Wärmeleistung der Spaltprodukt nuklide [W/TSM]

		ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
		0	1	2	5	10	20	50	100	1000	10000	1000000
H	3	1.41E-02	1.34E-02	1.26E-02	1.07E-02	8.07E-03	4.60E-03	8.55E-04	5.17E-05	0.00E+00	0.00E+00	0.00E+00
C	14	4.97E-06	4.97E-06	4.96E-06	4.96E-06	4.96E-06	4.95E-06	4.94E-06	4.91E-06	4.40E-06	1.48E-06	0.00E+00
SE	79	4.41E-05	4.41E-05	4.41E-05	4.41E-05	4.41E-05	4.41E-05	4.41E-05	4.41E-05	4.36E-05	3.96E-05	1.03E-09
ZR	93	8.52E-05	8.52E-05	8.52E-05	8.52E-05	8.52E-05	8.52E-05	8.52E-05	8.52E-05	8.52E-05	8.49E-05	5.42E-05
ZR	95	2.90E-09	5.56E-11	1.06E-12	7.46E-18	1.92E-26	1.26E-43	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NB	93M	1.19E-04	1.19E-04	1.19E-04	1.20E-04	1.21E-04	1.22E-04	1.23E-04	1.23E-04	1.23E-04	1.23E-04	7.85E-05
NB	94	2.12E-06	2.12E-06	2.12E-06	2.12E-06	2.12E-06	2.12E-06	2.12E-06	2.12E-06	2.05E-06	1.51E-06	3.17E-21
NB	95	1.72E-08	1.29E-10	2.32E-12	1.57E-17	4.03E-26	2.66E-43	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TC	99	1.55E-03	1.55E-03	1.55E-03	1.55E-03	1.55E-03	1.55E-03	1.55E-03	1.55E-03	1.55E-03	1.50E-03	6.00E-05
RU106		1.90E-01	9.57E-02	4.81E-02	6.12E-03	1.97E-04	2.04E-07	2.25E-16	2.65E-31	0.00E+00	0.00E+00	0.00E+00
RH106		2.57E+01	1.55E+01	7.78E+00	9.90E-01	3.18E-02	3.30E-05	3.64E-14	4.29E-29	0.00E+00	0.00E+00	0.00E+00
PD107		1.64E-06	1.64E-06	1.64E-06	1.64E-06	1.64E-06	1.64E-06	1.64E-06	1.64E-06	1.64E-06	1.64E-06	1.47E-06
AG108		1.18E-08	1.17E-08	1.17E-08	1.15E-08	1.12E-08	1.06E-08	8.99E-09	6.84E-09	5.05E-11	2.38E-32	0.00E+00
AG108M		3.46E-07	3.45E-07	3.43E-07	3.37E-07	3.28E-07	3.11E-07	2.64E-07	2.01E-07	1.48E-09	6.98E-31	0.00E+00
AG109M		2.05E-10	2.50E-11	1.45E-11	2.82E-12	1.84E-13	7.89E-16	6.16E-23	8.80E-35	0.00E+00	0.00E+00	0.00E+00
AG110		3.61E-04	1.31E-04	4.76E-05	2.28E-06	1.44E-08	5.74E-13	3.65E-26	0.00E+00	0.00E+00	0.00E+00	0.00E+00
AG110M		6.31E-02	2.29E-02	8.32E-03	3.98E-04	2.52E-06	1.00E-10	6.37E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CD109		5.32E-11	3.08E-11	1.79E-11	3.48E-12	2.27E-13	9.74E-16	7.61E-23	1.09E-34	0.00E+00	0.00E+00	0.00E+00
CD113M		1.24E-02	1.18E-02	1.12E-02	9.75E-03	7.69E-03	4.78E-03	1.15E-03	1.07E-04	2.91E-23	0.00E+00	0.00E+00
SN119M		4.41E-05	1.57E-05	5.59E-06	2.52E-07	1.44E-09	4.70E-14	1.63E-27	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SN121M		3.04E-04	3.00E-04	2.96E-04	2.84E-04	2.65E-04	2.30E-04	1.52E-04	7.60E-05	2.89E-10	0.00E+00	0.00E+00
SN123		6.75E-06	9.51E-07	1.34E-07	3.76E-10	2.09E-14	6.46E-23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SN126		7.01E-04	7.01E-04	7.01E-04	7.01E-04	7.01E-04	7.01E-04	7.01E-04	7.01E-04	6.96E-04	6.54E-04	7.05E-07
SB125		6.00E+00	4.67E+00	3.63E+00	1.71E+00	4.87E-01	3.96E-02	2.12E-05	7.50E-11	0.00E+00	0.00E+00	0.00E+00
SB126		1.73E-03	1.45E-03	1.45E-03	1.45E-03	1.45E-03	1.45E-03	1.45E-03	1.45E-03	1.44E-03	1.36E-03	1.46E-06
SB126M		8.50E-03	7.16E-03	7.16E-03	7.16E-03	7.16E-03	7.16E-03	7.16E-03	7.15E-03	7.11E-03	6.68E-03	7.20E-06
TE123M		2.85E-09	3.44E-10	4.15E-11	7.39E-14	1.89E-18	1.23E-27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TE125M		1.66E-01	3.03E-01	2.38E-01	1.12E-01	3.20E-02	2.60E-03	1.39E-06	4.92E-12	0.00E+00	0.00E+00	0.00E+00
TE127		7.05E-07	6.92E-08	6.78E-09	6.40E-12	5.81E-17	4.78E-27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TE127M		2.87E-07	2.81E-08	2.76E-09	2.60E-12	2.36E-17	1.94E-27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Summe		3.29E+01	2.06E+01	1.17E+01	2.85E+00	5.79E-01	6.30E-02	1.33E-02	1.14E-02	1.11E-02	1.04E-02	2.04E-04

DWR mit UO₂/MOX-Brennstoff (90/10), 5.Rezyklierung, WA-Zeitpunkt 7A / Brennelementfertigung
Radioaktivität der Aktinidennuklide [Ci/TSM]

	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
TL208	0.00E+00	1.12E-04	1.91E-04	3.12E-04	3.59E-04	3.41E-04	2.57E-04	1.59E-04	2.75E-08	1.22E-09	1.53E-07
PB212	0.00E+00	3.11E-04	5.31E-04	8.69E-04	9.99E-04	9.51E-04	7.15E-04	4.42E-04	7.66E-08	3.40E-09	4.26E-07
BI212	0.00E+00	3.11E-04	5.31E-04	8.69E-04	9.99E-04	9.51E-04	7.15E-04	4.42E-04	7.66E-08	3.40E-09	4.26E-07
PO212	0.00E+00	1.99E-04	3.41E-04	5.57E-04	6.41E-04	6.09E-04	4.58E-04	2.83E-04	4.91E-08	2.18E-09	2.73E-07
PO216	0.00E+00	3.11E-04	5.31E-04	8.69E-04	9.99E-04	9.51E-04	7.15E-04	4.42E-04	7.66E-08	3.40E-09	4.26E-07
RN220	0.00E+00	3.11E-04	5.31E-04	8.69E-04	9.99E-04	9.51E-04	7.15E-04	4.42E-04	7.66E-08	3.40E-09	4.26E-07
RA224	0.00E+00	3.11E-04	5.31E-04	8.69E-04	9.99E-04	9.51E-04	7.15E-04	4.42E-04	7.66E-08	3.40E-09	4.26E-07
TH227	0.00E+00	1.03E-10	4.11E-10	2.49E-09	9.45E-09	3.43E-08	1.64E-07	4.59E-07	6.55E-06	6.36E-05	4.78E-04
TH228	0.00E+00	3.11E-04	5.30E-04	8.68E-04	9.99E-04	9.51E-04	7.15E-04	4.42E-04	7.66E-08	3.40E-09	4.26E-07
TH230	0.00E+00	1.73E-07	3.48E-07	8.82E-07	1.80E-06	3.75E-06	1.03E-05	2.34E-05	3.55E-04	3.49E-03	9.44E-03
TH231	0.00E+00	3.15E-04	3.15E-04	3.15E-04	3.15E-04	3.15E-04	3.15E-04	3.16E-04	3.20E-04	3.58E-04	4.85E-04
TH234	0.00E+00	6.27E-03	6.27E-03	6.27E-03	6.27E-03	6.27E-03	6.27E-03	6.27E-03	6.27E-03	6.27E-03	6.27E-03
PA231	0.00E+00	6.66E-09	1.34E-08	3.34E-08	6.67E-08	1.33E-07	3.33E-07	6.66E-07	6.65E-06	6.45E-05	4.85E-04
PA233	0.00E+00	4.14E-07	1.60E-06	9.45E-06	3.48E-05	1.20E-04	5.11E-04	1.26E-03	8.37E-03	1.05E-02	7.65E-03
PA234M	0.00E+00	6.27E-03	6.27E-03	6.27E-03	6.27E-03	6.27E-03	6.27E-03	6.27E-03	6.27E-03	6.27E-03	6.27E-03
PA234	0.00E+00	8.15E-06	8.15E-06	8.15E-06	8.15E-06	8.15E-06	8.15E-06	8.15E-06	8.15E-06	8.15E-06	8.15E-06
U 232	1.02E-03	1.03E-03	1.04E-03	1.04E-03	1.01E-03	9.27E-04	6.96E-04	4.30E-04	7.43E-08	0.00E+00	0.00E+00
U 233	1.65E-06	1.65E-06	1.65E-06	1.65E-06	1.65E-06	1.65E-06	1.69E-06	1.89E-06	2.40E-05	4.30E-04	8.11E-03
U 234	1.92E-02	1.94E-02	1.95E-02	2.00E-02	2.08E-02	2.24E-02	2.64E-02	3.12E-02	4.11E-02	4.02E-02	8.32E-03
U 235	3.15E-04	3.15E-04	3.15E-04	3.15E-04	3.15E-04	3.15E-04	3.15E-04	3.16E-04	3.20E-04	3.58E-04	4.85E-04
U 236	5.72E-03	5.72E-03	5.72E-03	5.72E-03	5.72E-03	5.73E-03	5.74E-03	5.75E-03	6.03E-03	7.73E-03	8.54E-03
U 237	6.55E-02	3.75E-02	3.57E-02	3.09E-02	2.43E-02	1.50E-02	3.54E-03	3.19E-04	4.93E-23	3.99E-51	0.00E+00
U 238	6.27E-03	6.27E-03	6.27E-03	6.27E-03	6.27E-03	6.27E-03	6.27E-03	6.27E-03	6.27E-03	6.27E-03	6.27E-03
NP237	0.00E+00	4.14E-07	1.60E-06	9.45E-06	3.48E-05	1.20E-04	5.11E-04	1.26E-03	8.37E-03	1.05E-02	7.65E-03
PU238	6.13E+01	6.08E+01	6.03E+01	5.89E+01	5.66E+01	5.23E+01	4.13E+01	2.78E+01	2.28E-02	0.00E+00	0.00E+00
PU239	4.99E+00	4.99E+00	4.99E+00	4.99E+00	4.99E+00	4.99E+00	4.98E+00	4.97E+00	4.85E+00	3.74E+00	1.55E-12
PU240	1.10E+01	1.10E+01	1.10E+01	1.10E+01	1.10E+01	1.10E+01	1.10E+01	1.09E+01	9.91E+00	3.82E+00	1.90E-08
PU241	1.57E+03	1.50E+03	1.43E+03	1.23E+03	9.70E+02	6.00E+02	1.42E+02	1.28E+01	1.97E-18	1.60E-46	0.00E+00
PU242	7.03E-02	7.03E-02	7.03E-02	7.03E-02	7.03E-02	7.03E-02	7.03E-02	7.03E-02	7.02E-02	6.90E-02	1.17E-02
AM241	0.00E+00	2.46E+00	4.79E+00	1.11E+01	1.98E+01	3.17E+01	4.51E+01	4.56E+01	1.09E+01	5.89E-06	0.00E+00
Summe	1.65E+03	1.58E+03	1.51E+03	1.32E+03	1.06E+03	7.00E+02	2.44E+02	1.02E+02	2.58E+01	7.74E+00	2.35E-01

DWR mit UO ₂ /MOX-Brennstoff (90/10), 5.Rezyklierung, WA-Zeitpunkt 7A / Brennelementfertigung											
Wärmeleistung der Aktinidennuklide [W/TSM]											
ZEITEN NACH DER WIEDERAUFARBEITUNG [A]											
	0	1	2	5	10	20	50	100	1000	10000	1000000
TL208	0.00E+00	2.63E-06	4.49E-06	7.34E-06	8.44E-06	8.03E-06	6.04E-06	3.73E-06	6.48E-10	2.87E-11	3.60E-09
PB212	0.00E+00	5.92E-07	1.01E-06	1.65E-06	1.90E-06	1.81E-06	1.36E-06	8.41E-07	1.46E-10	6.48E-12	8.12E-10
BI212	0.00E+00	5.28E-06	9.04E-06	1.48E-05	1.70E-05	1.62E-05	1.22E-05	7.51E-06	1.30E-09	5.79E-11	7.25E-09
PO212	0.00E+00	1.06E-05	1.81E-05	2.96E-05	3.40E-05	3.23E-05	2.43E-05	1.50E-05	2.61E-09	1.16E-10	1.45E-08
PO216	0.00E+00	1.23E-05	2.10E-05	3.44E-05	3.96E-05	3.76E-05	2.83E-05	1.75E-05	3.03E-09	1.35E-10	1.69E-08
RN220	0.00E+00	1.18E-05	2.02E-05	3.30E-05	3.79E-05	3.61E-05	2.71E-05	1.68E-05	2.91E-09	1.29E-10	1.62E-08
RA224	0.00E+00	1.07E-05	1.82E-05	2.98E-05	3.43E-05	3.26E-05	2.45E-05	1.52E-05	2.63E-09	1.17E-10	1.46E-08
TH227	0.00E+00	3.77E-12	1.50E-11	9.06E-11	3.44E-10	1.25E-09	5.98E-09	1.67E-08	2.39E-07	2.32E-06	1.74E-05
TH228	0.00E+00	1.02E-05	1.73E-05	2.84E-05	3.27E-05	3.11E-05	2.34E-05	1.44E-05	2.51E-09	1.11E-10	1.40E-08
TH230	0.00E+00	4.90E-09	9.85E-09	2.50E-08	5.10E-08	1.06E-07	2.93E-07	6.61E-07	1.00E-05	9.87E-05	2.67E-04
TH231	0.00E+00	1.77E-07	1.77E-07	1.77E-07	1.77E-07	1.77E-07	1.77E-07	1.77E-07	1.80E-07	2.01E-07	2.72E-07
TH234	0.00E+00	2.54E-06	2.54E-06	2.54E-06	2.54E-06	2.54E-06	2.54E-06	2.54E-06	2.54E-06	2.54E-06	2.54E-06
PA231	0.00E+00	2.03E-10	4.08E-10	1.02E-09	2.04E-09	4.07E-09	1.02E-08	2.03E-08	2.03E-07	1.97E-06	1.48E-05
PA233	0.00E+00	9.39E-10	3.64E-09	2.14E-08	7.91E-08	2.72E-07	1.16E-06	2.86E-06	1.90E-05	2.39E-05	1.74E-05
PA234M	0.00E+00	3.10E-05	3.10E-05	3.10E-05	3.10E-05	3.10E-05	3.10E-05	3.10E-05	3.10E-05	3.10E-05	3.10E-05
PA234	0.00E+00	1.17E-07	1.17E-07	1.17E-07	1.17E-07	1.17E-07	1.17E-07	1.17E-07	1.17E-07	1.17E-07	1.17E-07
U 232	3.26E-05	3.30E-05	3.33E-05	3.34E-05	3.25E-05	2.98E-05	2.23E-05	1.38E-05	2.38E-09	0.00E+00	0.00E+00
U 233	4.80E-08	4.80E-08	4.80E-08	4.80E-08	4.80E-08	4.81E-08	4.93E-08	5.49E-08	6.99E-07	1.25E-05	2.36E-04
U 234	5.52E-04	5.57E-04	5.62E-04	5.77E-04	6.00E-04	6.45E-04	7.59E-04	8.98E-04	1.18E-03	1.16E-03	2.40E-04
U 235	8.74E-06	8.74E-06	8.74E-06	8.74E-06	8.74E-06	8.74E-06	8.75E-06	8.75E-06	8.87E-06	9.92E-06	1.35E-05
U 236	1.55E-04	1.55E-04	1.55E-04	1.55E-04	1.55E-04	1.55E-04	1.55E-04	1.56E-04	1.63E-04	2.09E-04	2.31E-04
U 237	1.24E-04	7.09E-05	6.75E-05	5.85E-05	4.60E-05	2.84E-05	6.70E-06	6.04E-07	9.33E-26	7.55E-54	0.00E+00
U 238	1.59E-04	1.59E-04	1.59E-04	1.59E-04	1.59E-04	1.59E-04	1.59E-04	1.59E-04	1.59E-04	1.59E-04	1.59E-04
NP237	0.00E+00	1.22E-08	4.71E-08	2.78E-07	1.02E-06	3.53E-06	1.50E-05	3.70E-05	2.46E-04	3.10E-04	2.25E-04
PU238	2.03E+00	2.02E+00	2.00E+00	1.95E+00	1.88E+00	1.74E+00	1.37E+00	9.22E-01	7.55E-04	0.00E+00	0.00E+00
PU239	1.55E-01	1.55E-01	1.55E-01	1.55E-01	1.55E-01	1.55E-01	1.55E-01	1.55E-01	1.51E-01	1.16E-01	4.83E-14
PU240	3.43E-01	3.43E-01	3.43E-01	3.43E-01	3.43E-01	3.42E-01	3.41E-01	3.40E-01	3.09E-01	1.19E-01	5.92E-10
PU241	4.84E-02	4.61E-02	4.40E-02	3.80E-02	2.99E-02	1.85E-02	4.36E-03	3.93E-04	6.07E-23	4.92E-51	0.00E+00
PU242	2.08E-03	2.08E-03	2.08E-03	2.08E-03	2.08E-03	2.08E-03	2.08E-03	2.08E-03	2.07E-03	2.04E-03	3.46E-04
AM241	0.00E+00	8.21E-02	1.60E-01	3.72E-01	6.62E-01	1.06E+00	1.51E+00	1.53E+00	3.64E-01	1.97E-07	0.00E+00
Summe	2.58E+00	2.65E+00	2.71E+00	2.86E+00	3.07E+00	3.31E+00	3.38E+00	2.95E+00	8.28E-01	2.40E-01	5.37E-03

DWR mit UO₂/MOX-Brennstoff (90/10), 5.Rezyklierung, WA-Zeitpunkt 7A / Summe der Abfallströme
 Konzentrationen der Aktinidenelemente [G/TSM]

	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
HE	2.47E+00	2.57E+00	2.66E+00	2.92E+00	3.30E+00	3.91E+00	5.08E+00	6.14E+00	1.38E+01	2.20E+01	6.56E+01
TL	4.99E-11	3.54E-11	2.51E-11	9.65E-12	3.06E-12	1.71E-12	1.32E-12	8.88E-13	1.99E-13	1.23E-12	4.09E-11
PB	6.59E-05	7.98E-05	8.97E-05	1.06E-04	1.14E-04	1.21E-04	1.35E-04	1.52E-04	2.10E-04	8.77E-03	1.20E+01
BI	3.44E-09	2.69E-09	2.18E-09	1.51E-09	1.47E-09	2.13E-09	5.40E-09	1.85E-08	1.38E-05	1.66E-02	2.23E+02
PO	2.61E-12	3.45E-12	4.47E-12	8.68E-12	2.03E-11	5.20E-11	2.05E-10	5.76E-10	3.02E-08	1.08E-06	3.12E-06
AT	9.89E-20	9.91E-20	9.94E-20	1.01E-19	1.05E-19	1.21E-19	2.30E-19	6.22E-19	6.69E-17	7.27E-15	3.87E-13
RN	4.53E-11	3.25E-11	2.36E-11	1.05E-11	5.62E-12	6.50E-12	1.29E-11	2.55E-11	8.83E-10	3.16E-08	9.11E-08
FR	3.20E-15	3.46E-15	3.70E-15	4.41E-15	5.46E-15	7.22E-15	1.09E-14	1.59E-14	6.21E-13	6.60E-11	3.52E-09
RA	4.01E-07	3.57E-07	3.36E-07	3.50E-07	4.76E-07	7.95E-07	1.84E-06	3.87E-06	1.37E-04	4.91E-03	1.42E-02
AC	8.80E-08	9.77E-08	1.07E-07	1.33E-07	1.72E-07	2.34E-07	3.36E-07	3.91E-07	5.11E-07	1.79E-06	3.03E-05
TH	4.72E-03	4.71E-03	4.72E-03	4.75E-03	4.82E-03	4.98E-03	5.56E-03	6.72E-03	3.92E-02	4.22E-01	1.30E+01
PA	6.25E-04	6.25E-04	6.25E-04	6.26E-04	6.27E-04	6.29E-04	6.35E-04	6.45E-04	8.14E-04	2.48E-03	2.99E-02
U	2.48E+04	2.48E+04	2.48E+04	2.48E+04	2.48E+04	2.48E+04	2.48E+04	2.48E+04	2.48E+04	2.50E+04	2.56E+04
NP	5.33E+02	5.34E+02	5.35E+02	5.38E+02	5.43E+02	5.52E+02	5.79E+02	6.23E+02	1.02E+03	1.14E+03	8.34E+02
PU	3.18E+02	3.21E+02	3.24E+02	3.33E+02	3.45E+02	3.64E+02	3.94E+02	4.06E+02	4.08E+02	3.95E+02	7.42E+00
AM	9.11E+02	9.12E+02	9.12E+02	9.13E+02	9.13E+02	9.10E+02	8.89E+02	8.46E+02	4.17E+02	1.26E+02	3.60E-05
CM	1.45E+02	1.40E+02	1.36E+02	1.23E+02	1.05E+02	7.82E+01	3.85E+01	2.27E+01	1.80E+01	7.03E+00	7.77E-02
BK	1.63E-07	7.39E-08	3.35E-08	3.12E-09	5.98E-11	2.20E-14	4.05E-19	4.04E-19	3.90E-19	2.72E-19	2.05E-36
CF	6.00E-05	5.93E-05	5.86E-05	5.67E-05	5.41E-05	5.04E-05	4.46E-05	3.98E-05	7.22E-06	7.52E-10	7.30E-32
Summe	2.67E+04	2.67E+04	2.67E+04	2.67E+04	2.67E+04	2.67E+04	2.67E+04	2.67E+04	2.67E+04	2.67E+04	2.67E+04

DWR mit UO ₂ /MOX-Brennstoff (90/10), 5.Rezyklierung, WA-Zeitpunkt 7A / Summe der Abfallströme Radioaktivität der Aktinidennuklide [Ci/TSM]											
	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
RN220	4.10E-02	2.90E-02	2.06E-02	7.88E-03	2.46E-03	1.33E-03	9.82E-04	6.07E-04	4.20E-07	3.19E-07	1.21E-06
RA224	4.10E-02	2.90E-02	2.06E-02	7.88E-03	2.46E-03	1.33E-03	9.82E-04	6.07E-04	4.20E-07	3.19E-07	1.21E-06
TH228	4.08E-02	2.88E-02	2.05E-02	7.84E-03	2.45E-03	1.33E-03	9.82E-04	6.07E-04	4.20E-07	3.19E-07	1.21E-06
TH231	1.58E-02	4.14E-04	4.14E-04	4.14E-04	4.14E-04	4.15E-04	4.15E-04	4.15E-04	4.25E-04	5.58E-04	1.41E-03
TH234	3.13E-01	8.25E-03	8.24E-03	8.24E-03	8.24E-03	8.24E-03	8.24E-03	8.24E-03	8.24E-03	8.24E-03	8.25E-03
PA233	3.76E-01	3.77E-01	3.77E-01	3.79E-01	3.83E-01	3.89E-01	4.09E-01	4.39E-01	7.19E-01	8.07E-01	5.88E-01
PA234M	3.13E-01	8.25E-03	8.24E-03	8.24E-03	8.24E-03	8.24E-03	8.24E-03	8.24E-03	8.24E-03	8.24E-03	8.25E-03
U 232	1.34E-03	1.37E-03	1.39E-03	1.41E-03	1.39E-03	1.27E-03	9.56E-04	5.91E-04	4.16E-07	3.13E-07	1.84E-07
U 234	2.52E-02	2.56E-02	2.59E-02	2.69E-02	2.84E-02	3.14E-02	3.92E-02	4.89E-02	7.26E-02	7.11E-02	1.20E-02
U 235	4.14E-04	4.14E-04	4.14E-04	4.14E-04	4.14E-04	4.15E-04	4.15E-04	4.15E-04	4.25E-04	5.58E-04	1.41E-03
U 236	7.52E-03	7.52E-03	7.52E-03	7.52E-03	7.53E-03	7.54E-03	7.57E-03	7.64E-03	8.87E-03	1.64E-02	2.06E-02
U 237	8.61E-02	7.18E-02	6.84E-02	5.92E-02	4.66E-02	2.88E-02	6.83E-03	6.58E-04	4.34E-05	2.08E-05	0.00E+00
U 238	8.24E-03	8.24E-03	8.24E-03	8.24E-03	8.24E-03	8.24E-03	8.24E-03	8.24E-03	8.24E-03	8.24E-03	8.25E-03
NP237	3.76E-01	3.77E-01	3.77E-01	3.79E-01	3.83E-01	3.89E-01	4.09E-01	4.39E-01	7.19E-01	8.07E-01	5.88E-01
NP238	5.35E-02	5.33E-02	5.30E-02	5.23E-02	5.11E-02	4.89E-02	4.26E-02	3.39E-02	5.61E-04	8.51E-22	0.00E+00
NP239	6.40E+01	6.40E+01	6.40E+01	6.39E+01	6.39E+01	6.38E+01	6.37E+01	6.34E+01	5.82E+01	2.50E+01	7.17E-06
PU238	1.17E+02	1.17E+02	1.16E+02	1.13E+02	1.09E+02	1.02E+02	8.17E+01	5.71E+01	1.40E-01	3.34E-19	0.00E+00
PU239	9.56E+00	9.57E+00	9.57E+00	9.58E+00	9.59E+00	9.61E+00	9.68E+00	9.77E+00	1.11E+01	1.74E+01	7.17E-06
PU240	2.11E+01	2.22E+01	2.32E+01	2.59E+01	2.99E+01	3.59E+01	4.46E+01	4.78E+01	4.40E+01	1.70E+01	8.53E-08
PU241	3.01E+03	2.87E+03	2.73E+03	2.37E+03	1.86E+03	1.15E+03	2.73E+02	2.63E+01	1.74E+00	8.34E-01	0.00E+00
PU242	1.35E-01	1.35E-01	1.35E-01	1.35E-01	1.35E-01	1.35E-01	1.35E-01	1.35E-01	1.40E-01	1.59E-01	2.83E-02
AM241	2.02E+03	2.03E+03	2.03E+03	2.03E+03	2.03E+03	2.02E+03	1.95E+03	1.81E+03	4.30E+02	8.34E-01	0.00E+00
AM242M	1.07E+01	1.07E+01	1.06E+01	1.05E+01	1.02E+01	9.77E+00	8.52E+00	6.79E+00	1.12E-01	1.70E-19	0.00E+00
AM242	1.07E+01	1.06E+01	1.06E+01	1.04E+01	1.02E+01	9.72E+00	8.48E+00	6.75E+00	1.12E-01	1.69E-19	0.00E+00
AM243	6.40E+01	6.40E+01	6.40E+01	6.39E+01	6.39E+01	6.38E+01	6.37E+01	6.34E+01	5.82E+01	2.50E+01	7.17E-06
CM242	1.06E+01	9.17E+00	8.82E+00	8.63E+00	8.42E+00	8.04E+00	7.01E+00	5.58E+00	9.23E-02	1.40E-19	0.00E+00
CM243	4.37E+01	4.26E+01	4.16E+01	3.87E+01	3.42E+01	2.69E+01	1.29E+01	3.84E+00	1.20E-09	0.00E+00	0.00E+00
CM244	1.00E+04	9.65E+03	9.29E+03	8.28E+03	6.84E+03	4.66E+03	1.48E+03	2.18E+02	2.41E-13	0.00E+00	0.00E+00
CM245	1.88E+00	1.88E+00	1.88E+00	1.88E+00	1.88E+00	1.88E+00	1.87E+00	1.87E+00	1.73E+00	8.33E-01	0.00E+00
CM246	2.79E+00	2.79E+00	2.79E+00	2.78E+00	2.78E+00	2.78E+00	2.77E+00	2.75E+00	2.41E+00	6.44E-01	1.10E-29
Summe	1.54E+04	1.49E+04	1.44E+04	1.30E+04	1.11E+04	8.17E+03	4.01E+03	2.33E+03	6.09E+02	8.96E+01	7.03E+00

DWR mit UO₂/MOX-Brennstoff (90/10), 5.Rezyklierung, WA-Zeitpunkt 7A / Summe der Abfallströme
 Wärmeleistung der Aktinidennuklide [W/TSM]

	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
BI212	6.97E-04	4.93E-04	3.50E-04	1.34E-04	4.18E-05	2.27E-05	1.67E-05	1.03E-05	7.14E-09	5.43E-09	2.06E-08
PO212	1.39E-03	9.86E-04	7.01E-04	2.68E-04	8.36E-05	4.54E-05	3.34E-05	2.06E-05	1.43E-08	1.09E-08	4.11E-08
PO216	1.62E-03	1.15E-03	8.15E-04	3.12E-04	9.73E-05	5.28E-05	3.89E-05	2.40E-05	1.66E-08	1.26E-08	4.78E-08
RN220	1.56E-03	1.10E-03	7.82E-04	2.99E-04	9.33E-05	5.07E-05	3.73E-05	2.30E-05	1.59E-08	1.21E-08	4.59E-08
RA224	1.41E-03	9.94E-04	7.07E-04	2.70E-04	8.44E-05	4.58E-05	3.37E-05	2.08E-05	1.44E-08	1.10E-08	4.15E-08
TH228	1.34E-03	9.43E-04	6.70E-04	2.57E-04	8.02E-05	4.36E-05	3.21E-05	1.99E-05	1.37E-08	1.04E-08	3.95E-08
PA233	8.54E-04	8.55E-04	8.57E-04	8.61E-04	8.68E-04	8.83E-04	9.27E-04	9.96E-04	1.63E-03	1.83E-03	1.33E-03
PA234M	1.55E-03	4.08E-05	4.07E-05	4.07E-05	4.07E-05	4.07E-05	4.07E-05	4.07E-05	4.07E-05	4.07E-05	4.08E-05
U 232	4.28E-05	4.38E-05	4.45E-05	4.53E-05	4.45E-05	4.09E-05	3.07E-05	1.90E-05	1.34E-08	1.00E-08	5.90E-09
U 234	7.26E-04	7.35E-04	7.45E-04	7.73E-04	8.18E-04	9.04E-04	1.13E-03	1.41E-03	2.09E-03	2.05E-03	3.47E-04
U 235	1.15E-05	1.15E-05	1.15E-05	1.15E-05	1.15E-05	1.15E-05	1.15E-05	1.15E-05	1.18E-05	1.55E-05	3.92E-05
U 236	2.04E-04	2.04E-04	2.04E-04	2.04E-04	2.04E-04	2.04E-04	2.05E-04	2.07E-04	2.40E-04	4.45E-04	5.57E-04
U 238	2.09E-04	2.09E-04	2.09E-04	2.09E-04	2.09E-04	2.09E-04	2.09E-04	2.09E-04	2.09E-04	2.09E-04	2.09E-04
NP237	1.10E-02	1.11E-02	1.11E-02	1.11E-02	1.12E-02	1.14E-02	1.20E-02	1.29E-02	2.11E-02	2.37E-02	1.73E-02
NP238	2.56E-04	2.55E-04	2.54E-04	2.51E-04	2.45E-04	2.34E-04	2.04E-04	1.63E-04	2.69E-06	4.07E-24	0.00E+00
NP239	1.55E-01	1.55E-01	1.55E-01	1.55E-01	1.54E-01	1.54E-01	1.54E-01	1.53E-01	1.41E-01	6.05E-02	1.73E-08
PU238	3.89E+00	3.87E+00	3.84E+00	3.76E+00	3.62E+00	3.37E+00	2.71E+00	1.89E+00	4.63E-03	1.11E-20	0.00E+00
PU239	2.97E-01	2.97E-01	2.97E-01	2.98E-01	2.98E-01	2.99E-01	3.01E-01	3.04E-01	3.44E-01	5.40E-01	2.23E-07
PU240	6.58E-01	6.90E-01	7.21E-01	8.08E-01	9.32E-01	1.12E+00	1.39E+00	1.49E+00	1.37E+00	5.28E-01	2.66E-09
PU241	9.28E-02	8.84E-02	8.42E-02	7.29E-02	5.73E-02	3.55E-02	8.41E-03	8.11E-04	5.35E-05	2.57E-05	0.00E+00
PU242	3.98E-03	3.98E-03	3.98E-03	3.98E-03	3.98E-03	3.98E-03	3.99E-03	4.00E-03	4.13E-03	4.69E-03	8.37E-04
AM241	6.77E+01	6.77E+01	6.77E+01	6.78E+01	6.78E+01	6.75E+01	6.53E+01	6.06E+01	1.44E+01	2.79E-02	0.00E+00
AM242M	4.23E-03	4.21E-03	4.19E-03	4.13E-03	4.04E-03	3.86E-03	3.37E-03	2.68E-03	4.43E-05	6.72E-23	0.00E+00
AM242	1.24E-02	1.23E-02	1.23E-02	1.21E-02	1.18E-02	1.13E-02	9.85E-03	7.85E-03	1.30E-04	1.97E-22	0.00E+00
AM243	2.06E+00	2.06E+00	2.06E+00	2.06E+00	2.06E+00	2.06E+00	2.05E+00	2.04E+00	1.88E+00	8.06E-01	2.31E-07
CM242	3.92E-01	3.38E-01	3.25E-01	3.18E-01	3.10E-01	2.96E-01	2.58E-01	2.06E-01	3.40E-03	5.17E-21	0.00E+00
CM243	1.60E+00	1.56E+00	1.53E+00	1.42E+00	1.26E+00	9.85E-01	4.75E-01	1.41E-01	4.41E-11	0.00E+00	0.00E+00
CM244	3.51E+02	3.38E+02	3.25E+02	2.90E+02	2.39E+02	1.63E+02	5.18E+01	7.64E+00	8.44E-15	0.00E+00	0.00E+00
CM245	6.27E-02	6.27E-02	6.27E-02	6.27E-02	6.27E-02	6.26E-02	6.25E-02	6.22E-02	5.78E-02	2.77E-02	0.00E+00
CM246	9.12E-02	9.12E-02	9.12E-02	9.11E-02	9.11E-02	9.09E-02	9.05E-02	8.99E-02	7.88E-02	2.11E-02	3.59E-31
Summe	4.28E+02	4.14E+02	4.02E+02	3.67E+02	3.16E+02	2.39E+02	1.25E+02	7.46E+01	1.83E+01	2.05E+00	1.69E-01

DWR mit UO₂/MOX-Brennstoff (90/10), 5.Rezyklierung, WA-Zeitpunkt 7A / Summe der Abfallströme
Radioaktivität der Spaltprodukt nuklide [Ci/TSM]

		ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
		0	1	2	5	10	20	50	100	1000	10000	1000000
H	3	4.18E+02	3.96E+02	3.74E+02	3.16E+02	2.39E+02	1.36E+02	2.53E+01	1.53E+00	0.00E+00	0.00E+00	0.00E+00
SE	79	4.43E-01	4.43E-01	4.43E-01	4.43E-01	4.43E-01	4.43E-01	4.43E-01	4.42E-01	4.38E-01	3.98E-01	1.03E-05
SR	90	7.24E+04	7.07E+04	6.90E+04	6.43E+04	5.71E+04	4.50E+04	2.20E+04	6.70E+03	3.35E-06	0.00E+00	0.00E+00
Y	90	7.24E+04	7.07E+04	6.90E+04	6.43E+04	5.71E+04	4.50E+04	2.20E+04	6.70E+03	3.35E-06	0.00E+00	0.00E+00
ZR	93	2.10E+00	2.10E+00	2.10E+00	2.10E+00	2.10E+00	2.10E+00	2.10E+00	2.10E+00	2.10E+00	2.09E+00	1.33E+00
NB	93M	7.05E-01	7.69E-01	8.30E-01	9.94E-01	1.22E+00	1.53E+00	1.89E+00	1.98E+00	1.99E+00	1.98E+00	1.27E+00
TC	99	1.55E+01	1.55E+01	1.55E+01	1.55E+01	1.55E+01	1.55E+01	1.55E+01	1.55E+01	1.54E+01	1.50E+01	5.98E-01
RU106		5.35E+03	2.69E+03	1.35E+03	1.72E+02	5.53E+00	5.72E-03	6.31E-12	7.44E-27	0.00E+00	0.00E+00	0.00E+00
RH106		5.35E+03	2.69E+03	1.35E+03	1.72E+02	5.53E+00	5.72E-03	6.31E-12	7.44E-27	0.00E+00	0.00E+00	0.00E+00
PD107		1.38E-01	1.38E-01	1.38E-01	1.38E-01	1.38E-01	1.38E-01	1.38E-01	1.38E-01	1.38E-01	1.38E-01	1.24E-01
AG110M		3.98E+00	1.44E+00	5.24E-01	2.51E-02	1.59E-04	6.33E-09	4.02E-22	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CD113M		3.67E+01	3.50E+01	3.34E+01	2.90E+01	2.28E+01	1.42E+01	3.41E+00	3.18E-01	8.63E-20	0.00E+00	0.00E+00
SN121M		1.90E-01	1.87E-01	1.85E-01	1.77E-01	1.65E-01	1.44E-01	9.49E-02	4.74E-02	1.80E-07	0.00E+00	0.00E+00
SN126		7.03E-01	7.03E-01	7.03E-01	7.03E-01	7.03E-01	7.03E-01	7.03E-01	7.02E-01	6.98E-01	6.56E-01	7.16E-04
SB125		2.02E+03	1.57E+03	1.22E+03	5.76E+02	1.64E+02	1.33E+01	7.14E-03	2.53E-08	0.00E+00	0.00E+00	0.00E+00
SB126		9.84E-02	9.84E-02	9.84E-02	9.84E-02	9.84E-02	9.84E-02	9.84E-02	9.83E-02	9.77E-02	9.18E-02	1.00E-04
SB126M		7.03E-01	7.03E-01	7.03E-01	7.03E-01	7.03E-01	7.03E-01	7.03E-01	7.02E-01	6.98E-01	6.56E-01	7.16E-04
TE125M		4.93E+02	3.84E+02	2.98E+02	1.41E+02	4.00E+01	3.25E+00	1.74E-03	6.17E-09	0.00E+00	0.00E+00	0.00E+00
CS134		2.09E+04	1.50E+04	1.07E+04	3.90E+03	7.26E+02	2.52E+01	1.05E-03	5.31E-11	0.00E+00	0.00E+00	0.00E+00
CS135		4.14E-01	4.14E-01	4.14E-01	4.14E-01	4.14E-01	4.14E-01	4.14E-01	4.14E-01	4.14E-01	4.13E-01	3.06E-01
CS137		1.10E+05	1.07E+05	1.05E+05	9.77E+04	8.71E+04	6.91E+04	3.46E+04	1.09E+04	1.02E-05	0.00E+00	0.00E+00
BA137M		1.04E+05	1.01E+05	9.91E+04	9.24E+04	8.24E+04	6.54E+04	3.27E+04	1.03E+04	9.63E-06	0.00E+00	0.00E+00
CE144		2.55E+03	1.05E+03	4.29E+02	2.97E+01	3.46E-01	4.70E-05	1.18E-16	5.44E-36	0.00E+00	0.00E+00	0.00E+00
PR144		2.55E+03	1.05E+03	4.29E+02	2.97E+01	3.46E-01	4.70E-05	1.18E-16	5.44E-36	0.00E+00	0.00E+00	0.00E+00
PR144M		3.06E+01	1.26E+01	5.15E+00	3.56E-01	4.15E-03	5.64E-07	1.41E-18	6.53E-38	0.00E+00	0.00E+00	0.00E+00
PM147		2.70E+04	2.07E+04	1.59E+04	7.20E+03	1.92E+03	1.37E+02	4.95E-02	9.10E-08	0.00E+00	0.00E+00	0.00E+00
SM151		3.91E+02	3.88E+02	3.85E+02	3.76E+02	3.62E+02	3.35E+02	2.66E+02	1.81E+02	1.77E-01	0.00E+00	0.00E+00
EU152		3.75E+00	3.56E+00	3.39E+00	2.91E+00	2.25E+00	1.35E+00	2.93E-01	2.30E-02	2.79E-22	0.00E+00	0.00E+00
EU154		9.47E+03	8.74E+03	8.06E+03	6.33E+03	4.23E+03	1.89E+03	1.69E+02	3.00E+00	0.00E+00	0.00E+00	0.00E+00
EU155		3.91E+03	3.40E+03	2.95E+03	1.94E+03	9.66E+02	2.39E+02	3.61E+00	3.33E-03	0.00E+00	0.00E+00	0.00E+00
Summe		4.39E+05	4.08E+05	3.85E+05	3.40E+05	2.92E+05	2.27E+05	1.12E+05	3.48E+04	2.22E+01	2.14E+01	3.63E+00

DWR mit UO ₂ /MOX-Brennstoff (90/10), 5.Rezyklierung, WA-Zeitpunkt 7A / Summe der Abfallströme												
Wärmeleistung der Spaltprodukt nuklide [W/TSM]												
ZEITEN NACH DER WIEDERAUFARBEITUNG [A]												
		0	1	2	5	10	20	50	100	1000	10000	1000000
H 3		1.41E-02	1.34E-02	1.26E-02	1.07E-02	8.07E-03	4.60E-03	8.55E-04	5.17E-05	0.00E+00	0.00E+00	0.00E+00
SE 79		1.10E-04	1.10E-04	1.10E-04	1.10E-04	1.10E-04	1.10E-04	1.10E-04	1.10E-04	1.09E-04	9.91E-05	2.57E-09
SR 90		8.40E+01	8.20E+01	8.01E+01	7.46E+01	6.62E+01	5.22E+01	2.56E+01	7.78E+00	3.89E-09	0.00E+00	0.00E+00
Y 90		4.01E+02	3.92E+02	3.83E+02	3.56E+02	3.16E+02	2.49E+02	1.22E+02	3.72E+01	1.86E-08	0.00E+00	0.00E+00
ZR 93		2.44E-04	2.44E-04	2.44E-04	2.44E-04	2.44E-04	2.44E-04	2.44E-04	2.44E-04	2.43E-04	2.42E-04	1.55E-04
NB 93M		1.25E-04	1.36E-04	1.47E-04	1.76E-04	2.16E-04	2.71E-04	3.35E-04	3.52E-04	3.53E-04	3.51E-04	2.24E-04
TC 99		7.76E-03	7.76E-03	7.76E-03	7.76E-03	7.76E-03	7.76E-03	7.76E-03	7.76E-03	7.73E-03	7.51E-03	3.00E-04
RU106		3.17E-01	1.59E-01	8.02E-02	1.02E-02	3.28E-04	3.39E-07	3.74E-16	4.41E-31	0.00E+00	0.00E+00	0.00E+00
RH106		5.13E+01	2.58E+01	1.30E+01	1.65E+00	5.30E-02	5.49E-05	6.05E-14	7.14E-29	0.00E+00	0.00E+00	0.00E+00
AG110M		6.64E-02	2.41E-02	8.76E-03	4.19E-04	2.65E-06	1.06E-10	6.72E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CD113M		6.18E-02	5.89E-02	5.62E-02	4.87E-02	3.84E-02	2.39E-02	5.75E-03	5.35E-04	1.45E-22	0.00E+00	0.00E+00
SN121M		3.80E-04	3.75E-04	3.70E-04	3.55E-04	3.31E-04	2.88E-04	1.90E-04	9.50E-05	3.61E-10	0.00E+00	0.00E+00
SN126		8.77E-04	8.77E-04	8.77E-04	8.77E-04	8.77E-04	8.76E-04	8.76E-04	8.76E-04	8.71E-04	8.18E-04	8.93E-07
SB125		6.32E+00	4.91E+00	3.82E+00	1.80E+00	5.13E-01	4.17E-02	2.23E-05	7.90E-11	0.00E+00	0.00E+00	0.00E+00
SB126		1.82E-03	1.82E-03	1.82E-03	1.82E-03	1.82E-03	1.82E-03	1.82E-03	1.82E-03	1.81E-03	1.70E-03	1.85E-06
SB126M		8.95E-03	8.95E-03	8.95E-03	8.95E-03	8.95E-03	8.95E-03	8.95E-03	8.94E-03	8.89E-03	8.35E-03	9.11E-06
TE125M		4.14E-01	3.22E-01	2.51E-01	1.18E-01	3.37E-02	2.73E-03	1.47E-06	5.18E-12	0.00E+00	0.00E+00	0.00E+00
CS134		2.13E+02	1.52E+02	1.09E+02	3.97E+01	7.39E+00	2.57E-01	1.07E-05	5.40E-13	0.00E+00	0.00E+00	0.00E+00
CS135		1.38E-04	1.38E-04	1.38E-04	1.38E-04	1.38E-04	1.38E-04	1.38E-04	1.38E-04	1.38E-04	1.38E-04	1.02E-04
CS137		1.21E+02	1.19E+02	1.16E+02	1.08E+02	9.63E+01	7.64E+01	3.82E+01	1.20E+01	1.13E-08	0.00E+00	0.00E+00
BA137M		4.07E+02	3.98E+02	3.89E+02	3.63E+02	3.23E+02	2.57E+02	1.28E+02	4.04E+01	3.78E-08	0.00E+00	0.00E+00
CE144		1.69E+00	6.94E-01	2.85E-01	1.97E-02	2.30E-04	3.12E-08	7.81E-20	3.61E-39	0.00E+00	0.00E+00	0.00E+00
PR144		1.87E+01	7.69E+00	3.16E+00	2.18E-01	2.54E-03	3.45E-07	8.65E-19	4.00E-38	0.00E+00	0.00E+00	0.00E+00
PR144M		1.05E-02	4.29E-03	1.76E-03	1.22E-04	1.42E-06	1.93E-10	4.83E-22	2.23E-41	0.00E+00	0.00E+00	0.00E+00
PM147		9.67E+00	7.43E+00	5.70E+00	2.58E+00	6.89E-01	4.91E-02	1.78E-05	3.26E-11	0.00E+00	0.00E+00	0.00E+00
SM151		4.59E-02	4.55E-02	4.52E-02	4.41E-02	4.25E-02	3.93E-02	3.12E-02	2.12E-02	2.08E-05	0.00E+00	0.00E+00
EU152		2.84E-02	2.70E-02	2.57E-02	2.20E-02	1.71E-02	1.03E-02	2.22E-03	1.74E-04	2.11E-24	0.00E+00	0.00E+00
EU154		8.47E+01	7.82E+01	7.21E+01	5.66E+01	3.78E+01	1.69E+01	1.51E+00	2.68E-02	0.00E+00	0.00E+00	0.00E+00
EU155		2.84E+00	2.47E+00	2.15E+00	1.41E+00	7.02E-01	1.74E-01	2.62E-03	2.43E-06	0.00E+00	0.00E+00	0.00E+00
HO166M		9.70E-06	9.69E-06	9.69E-06	9.67E-06	9.64E-06	9.59E-06	9.42E-06	9.15E-06	5.44E-06	3.02E-08	0.00E+00
Summe		1.40E+03	1.27E+03	1.18E+03	1.01E+03	8.50E+02	6.52E+02	3.16E+02	9.75E+01	2.02E-02	1.92E-02	8.01E-04

DWR mit UO₂/MOX-Brennstoff (70/30), 5.Rezyklierung, WA-Zeitpunkt 7A / HAWC
 Konzentrationen der Aktinidenelemente [G/TSM]

	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
HE	5.21E+00	5.42E+00	5.63E+00	6.20E+00	7.05E+00	8.39E+00	1.07E+01	1.25E+01	2.40E+01	3.80E+01	9.43E+01
TL	4.49E-11	3.14E-11	2.20E-11	7.64E-12	1.55E-12	3.85E-13	3.16E-13	2.53E-13	1.39E-13	9.70E-13	4.85E-11
PB	5.92E-05	7.17E-05	8.04E-05	9.38E-05	9.99E-05	1.02E-04	1.05E-04	1.08E-04	1.32E-04	3.93E-03	5.14E+00
BI	3.05E-09	2.35E-09	1.87E-09	1.23E-09	1.17E-09	1.72E-09	4.48E-09	1.58E-08	1.40E-05	1.92E-02	2.65E+02
PO	2.25E-12	2.98E-12	3.88E-12	7.58E-12	1.79E-11	4.55E-11	1.75E-10	4.62E-10	1.46E-08	4.78E-07	9.40E-07
AT	8.36E-20	8.36E-20	8.38E-20	8.48E-20	8.82E-20	1.01E-19	1.95E-19	5.43E-19	6.94E-17	8.47E-15	4.61E-13
RN	4.07E-11	2.89E-11	2.07E-11	8.46E-12	3.93E-12	4.68E-12	1.01E-11	1.95E-11	4.27E-10	1.39E-08	2.74E-08
FR	2.71E-15	2.92E-15	3.13E-15	3.73E-15	4.62E-15	6.09E-15	9.18E-15	1.35E-14	6.40E-13	7.70E-11	4.19E-09
RA	3.57E-07	3.15E-07	2.94E-07	3.04E-07	4.13E-07	6.87E-07	1.54E-06	3.01E-06	6.65E-05	2.17E-03	4.29E-03
AC	7.44E-08	8.26E-08	9.05E-08	1.13E-07	1.46E-07	1.98E-07	2.83E-07	3.26E-07	3.52E-07	8.58E-07	3.53E-05
TH	4.14E-03	4.12E-03	4.11E-03	4.11E-03	4.11E-03	4.15E-03	4.28E-03	4.58E-03	1.80E-02	2.43E-01	1.36E+01
PA	5.30E-04	5.30E-04	5.30E-04	5.30E-04	5.31E-04	5.31E-04	5.33E-04	5.36E-04	5.75E-04	1.00E-03	3.45E-02
U	4.68E+03	4.68E+03	4.68E+03	4.68E+03	4.68E+03	4.68E+03	4.68E+03	4.68E+03	4.72E+03	4.97E+03	5.83E+03
NP	4.60E+02	4.62E+02	4.63E+02	4.67E+02	4.74E+02	4.88E+02	5.28E+02	5.91E+02	1.17E+03	1.35E+03	9.92E+02
PU	1.05E+02	1.16E+02	1.26E+02	1.56E+02	1.97E+02	2.61E+02	3.55E+02	3.93E+02	4.25E+02	5.41E+02	6.77E+00
AM	1.59E+03	1.59E+03	1.59E+03	1.59E+03	1.58E+03	1.57E+03	1.53E+03	1.46E+03	8.21E+02	2.75E+02	9.80E-05
CM	3.59E+02	3.48E+02	3.37E+02	3.06E+02	2.62E+02	1.96E+02	9.86E+01	5.97E+01	4.80E+01	1.88E+01	2.12E-01
BK	4.46E-07	2.02E-07	9.18E-08	8.55E-09	1.64E-10	6.02E-14	9.00E-19	8.99E-19	8.67E-19	6.06E-19	4.56E-36
CF	1.64E-04	1.62E-04	1.61E-04	1.56E-04	1.49E-04	1.38E-04	1.22E-04	1.09E-04	1.98E-05	2.01E-09	1.62E-31
Summe	7.20E+03	7.20E+03	7.20E+03	7.20E+03	7.20E+03	7.20E+03	7.20E+03	7.20E+03	7.20E+03	7.20E+03	7.20E+03

DWR mit UO ₂ /MOX-Brennstoff (70/30), 5.Rezyklierung, WA-Zeitpunkt 7A / HAWC											
Radioaktivität der Aktinidennuklide [Ci/TSM]											
	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
TH230	6.38E-05	6.39E-05	6.39E-05	6.40E-05	6.43E-05	6.48E-05	6.71E-05	7.25E-05	3.14E-04	2.74E-03	4.22E-03
TH231	1.38E-02	6.88E-05	6.88E-05	6.88E-05	6.88E-05	6.89E-05	6.89E-05	6.91E-05	7.34E-05	2.27E-04	1.63E-03
TH234	3.11E-01	1.56E-03	1.56E-03	1.56E-03	1.56E-03	1.56E-03	1.56E-03	1.56E-03	1.56E-03	1.56E-03	1.57E-03
PA233	3.26E-01	3.26E-01	3.27E-01	3.29E-01	3.34E-01	3.44E-01	3.72E-01	4.17E-01	8.22E-01	9.55E-01	7.00E-01
PA234M	3.11E-01	1.56E-03	1.56E-03	1.56E-03	1.56E-03	1.56E-03	1.56E-03	1.56E-03	1.56E-03	1.56E-03	1.57E-03
U 232	2.28E-04	2.35E-04	2.39E-04	2.45E-04	2.42E-04	2.22E-04	1.67E-04	1.03E-04	2.92E-07	2.73E-07	1.60E-07
U 233	3.67E-07	1.94E-06	3.52E-06	7.97E-06	1.52E-05	3.01E-05	7.70E-05	1.63E-04	2.78E-03	3.94E-02	7.42E-01
U 234	4.53E-03	4.65E-03	4.77E-03	5.12E-03	5.70E-03	6.82E-03	9.92E-03	1.43E-02	3.17E-02	3.12E-02	3.36E-03
U 235	6.88E-05	6.88E-05	6.88E-05	6.88E-05	6.88E-05	6.89E-05	6.89E-05	6.91E-05	7.34E-05	2.27E-04	1.63E-03
U 236	1.17E-03	1.17E-03	1.18E-03	1.18E-03	1.18E-03	1.19E-03	1.24E-03	1.35E-03	3.26E-03	1.50E-02	2.18E-02
U 237	2.33E-02	2.23E-02	2.12E-02	1.84E-02	1.45E-02	8.99E-03	2.22E-03	3.15E-04	1.18E-04	5.66E-05	0.00E+00
U 238	1.56E-03	1.56E-03	1.56E-03	1.56E-03	1.56E-03	1.56E-03	1.56E-03	1.56E-03	1.56E-03	1.56E-03	1.57E-03
NP237	3.25E-01	3.26E-01	3.27E-01	3.29E-01	3.34E-01	3.44E-01	3.72E-01	4.17E-01	8.22E-01	9.55E-01	7.00E-01
NP238	1.21E-01	1.20E-01	1.20E-01	1.18E-01	1.16E-01	1.10E-01	9.63E-02	7.67E-02	1.27E-03	1.92E-21	0.00E+00
NP239	1.40E+02	1.40E+02	1.40E+02	1.40E+02	1.40E+02	1.40E+02	1.39E+02	1.39E+02	1.28E+02	5.48E+01	1.95E-05
PU238	4.20E+01	4.18E+01	4.17E+01	4.12E+01	4.03E+01	3.87E+01	3.41E+01	2.76E+01	2.32E-01	7.55E-19	0.00E+00
PU239	2.63E+00	2.63E+00	2.64E+00	2.66E+00	2.69E+00	2.75E+00	2.90E+00	3.12E+00	6.45E+00	2.43E+01	1.95E-05
PU240	7.88E+00	1.04E+01	1.29E+01	1.97E+01	2.95E+01	4.43E+01	6.58E+01	7.40E+01	6.86E+01	2.64E+01	1.44E-07
PU241	9.32E+02	8.89E+02	8.47E+02	7.34E+02	5.78E+02	3.59E+02	8.87E+01	1.26E+01	4.71E+00	2.26E+00	0.00E+00
PU242	6.35E-02	6.36E-02	6.36E-02	6.36E-02	6.37E-02	6.39E-02	6.45E-02	6.54E-02	7.71E-02	1.31E-01	2.58E-02
AM241	3.05E+03	3.05E+03	3.04E+03	3.03E+03	3.01E+03	2.97E+03	2.84E+03	2.63E+03	6.24E+02	2.26E+00	0.00E+00
AM242M	2.42E+01	2.41E+01	2.40E+01	2.37E+01	2.31E+01	2.21E+01	1.93E+01	1.53E+01	2.53E-01	3.84E-19	0.00E+00
AM242	2.41E+01	2.40E+01	2.39E+01	2.35E+01	2.30E+01	2.20E+01	1.92E+01	1.53E+01	2.52E-01	3.83E-19	0.00E+00
AM243	1.40E+02	1.40E+02	1.40E+02	1.40E+02	1.40E+02	1.40E+02	1.39E+02	1.39E+02	1.28E+02	5.48E+01	1.95E-05
CM242	2.35E+01	2.06E+01	1.99E+01	1.95E+01	1.90E+01	1.82E+01	1.59E+01	1.26E+01	2.09E-01	3.17E-19	0.00E+00
CM243	8.92E+01	8.70E+01	8.49E+01	7.90E+01	6.99E+01	5.48E+01	2.64E+01	7.84E+00	2.46E-09	0.00E+00	0.00E+00
CM244	2.46E+04	2.37E+04	2.28E+04	2.03E+04	1.68E+04	1.14E+04	3.63E+03	5.36E+02	5.92E-13	0.00E+00	0.00E+00
CM245	5.11E+00	5.11E+00	5.10E+00	5.10E+00	5.10E+00	5.10E+00	5.08E+00	5.06E+00	4.71E+00	2.26E+00	0.00E+00
CM246	7.25E+00	7.25E+00	7.25E+00	7.24E+00	7.24E+00	7.23E+00	7.19E+00	7.14E+00	6.26E+00	1.68E+00	2.44E-29
CF249	5.23E-04	5.23E-04	5.22E-04	5.19E-04	5.14E-04	5.04E-04	4.75E-04	4.30E-04	7.26E-05	1.36E-12	0.00E+00
Summe	2.91E+04	2.81E+04	2.72E+04	2.46E+04	2.09E+04	1.53E+04	7.04E+03	3.62E+03	9.72E+02	1.71E+02	8.20E+00

DWR mit UO₂/MOX-Brennstoff (70/30), 5.Rezyklierung, WA-Zeitpunkt 7A / HAWC
 Wärmeleistung der Aktinidennuklide [W/TSM]

	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
RN220	1.40E-03	9.78E-04	6.84E-04	2.37E-04	4.64E-05	9.65E-06	6.51E-06	4.03E-06	1.11E-08	1.05E-08	4.72E-08
RA224	1.26E-03	8.84E-04	6.18E-04	2.14E-04	4.20E-05	8.72E-06	5.89E-06	3.64E-06	1.01E-08	9.53E-09	4.27E-08
TH228	1.20E-03	8.39E-04	5.86E-04	2.03E-04	3.98E-05	8.31E-06	5.61E-06	3.47E-06	9.59E-09	9.09E-09	4.07E-08
TH230	1.81E-06	1.81E-06	1.81E-06	1.81E-06	1.82E-06	1.83E-06	1.90E-06	2.05E-06	8.89E-06	7.76E-05	1.19E-04
PA233	7.40E-04	7.39E-04	7.41E-04	7.48E-04	7.59E-04	7.81E-04	8.45E-04	9.45E-04	1.87E-03	2.17E-03	1.59E-03
PA234M	1.54E-03	7.73E-06	7.69E-06	7.69E-06	7.69E-06	7.69E-06	7.69E-06	7.69E-06	7.69E-06	7.69E-06	7.74E-06
U 232	7.33E-06	7.54E-06	7.68E-06	7.86E-06	7.75E-06	7.14E-06	5.36E-06	3.31E-06	9.38E-09	8.76E-09	5.15E-09
U 233	1.07E-08	5.64E-08	1.02E-07	2.32E-07	4.43E-07	8.74E-07	2.24E-06	4.75E-06	8.09E-05	1.15E-03	2.16E-02
U 234	1.31E-04	1.34E-04	1.37E-04	1.47E-04	1.64E-04	1.96E-04	2.85E-04	4.11E-04	9.13E-04	8.97E-04	9.66E-05
U 236	3.18E-05	3.18E-05	3.18E-05	3.19E-05	3.20E-05	3.23E-05	3.36E-05	3.65E-05	8.84E-05	4.07E-04	5.90E-04
U 238	3.94E-05	3.94E-05	3.94E-05	3.94E-05	3.94E-05	3.94E-05	3.94E-05	3.94E-05	3.94E-05	3.94E-05	3.97E-05
NP237	9.54E-03	9.56E-03	9.59E-03	9.68E-03	9.82E-03	1.01E-02	1.09E-02	1.22E-02	2.42E-02	2.80E-02	2.06E-02
NP238	5.81E-04	5.77E-04	5.74E-04	5.66E-04	5.54E-04	5.29E-04	4.61E-04	3.67E-04	6.07E-06	9.21E-24	0.00E+00
NP239	3.39E-01	3.39E-01	3.39E-01	3.39E-01	3.38E-01	3.38E-01	3.37E-01	3.36E-01	3.08E-01	1.32E-01	4.72E-08
PU238	1.39E+00	1.39E+00	1.38E+00	1.36E+00	1.34E+00	1.28E+00	1.13E+00	9.15E-01	7.71E-03	2.50E-20	0.00E+00
PU239	8.17E-02	8.19E-02	8.21E-02	8.27E-02	8.36E-02	8.54E-02	9.01E-02	9.69E-02	2.01E-01	7.55E-01	6.07E-07
PU240	2.46E-01	3.25E-01	4.02E-01	6.15E-01	9.20E-01	1.38E+00	2.05E+00	2.30E+00	2.14E+00	8.23E-01	4.48E-09
PU241	2.87E-02	2.74E-02	2.61E-02	2.26E-02	1.78E-02	1.11E-02	2.73E-03	3.89E-04	1.45E-04	6.98E-05	0.00E+00
PU242	1.88E-03	1.88E-03	1.88E-03	1.88E-03	1.88E-03	1.89E-03	1.91E-03	1.93E-03	2.28E-03	3.88E-03	7.63E-04
AM241	1.02E+02	1.02E+02	1.02E+02	1.01E+02	1.01E+02	9.93E+01	9.50E+01	8.77E+01	2.08E+01	7.56E-02	0.00E+00
AM242M	9.55E-03	9.51E-03	9.47E-03	9.34E-03	9.13E-03	8.72E-03	7.60E-03	6.05E-03	1.00E-04	1.52E-22	0.00E+00
AM242	2.80E-02	2.78E-02	2.77E-02	2.73E-02	2.67E-02	2.55E-02	2.23E-02	1.77E-02	2.93E-04	4.44E-22	0.00E+00
AM243	4.52E+00	4.52E+00	4.52E+00	4.52E+00	4.51E+00	4.51E+00	4.50E+00	4.48E+00	4.11E+00	1.77E+00	6.30E-07
CM242	8.66E-01	7.59E-01	7.34E-01	7.19E-01	7.01E-01	6.70E-01	5.84E-01	4.65E-01	7.68E-03	1.17E-20	0.00E+00
CM243	3.27E+00	3.19E+00	3.12E+00	2.90E+00	2.57E+00	2.01E+00	9.70E-01	2.88E-01	9.01E-11	0.00E+00	0.00E+00
CM244	8.61E+02	8.29E+02	7.98E+02	7.11E+02	5.87E+02	4.01E+02	1.27E+02	1.88E+01	2.07E-14	0.00E+00	0.00E+00
CM245	1.70E-01	1.70E-01	1.70E-01	1.70E-01	1.70E-01	1.70E-01	1.69E-01	1.69E-01	1.57E-01	7.53E-02	0.00E+00
CM246	2.37E-01	2.37E-01	2.37E-01	2.37E-01	2.37E-01	2.37E-01	2.36E-01	2.34E-01	2.05E-01	5.48E-02	7.97E-31
CM248	4.93E-06	4.94E-06	4.94E-06	4.94E-06	4.94E-06	4.94E-06	4.93E-06	4.93E-06	4.93E-06	4.84E-06	6.39E-07
CF249	1.95E-05	1.95E-05	1.95E-05	1.94E-05	1.92E-05	1.88E-05	1.77E-05	1.61E-05	2.71E-06	5.06E-14	0.00E+00
Summe	9.74E+02	9.42E+02	9.10E+02	8.23E+02	6.99E+02	5.11E+02	2.32E+02	1.16E+02	2.80E+01	3.72E+00	1.97E-01

DWR mit UO₂/MOX-Brennstoff (70/30), 5.Rezyklierung, WA-Zeitpunkt 7A / HAWC
Radioaktivität der Spaltprodukt nuklide [Ci/TSM]

		ZEITEN NACH DER WIEDERAUFARBEITUNG [A]											
		0	1	2	5	10	20	50	100	1000	10000	1000000	
H	3	4.36E+02	4.13E+02	3.90E+02	3.30E+02	2.49E+02	1.42E+02	2.64E+01	1.59E+00	0.00E+00	0.00E+00	0.00E+00	
C	14	1.88E-02	1.88E-02	1.88E-02	1.88E-02	1.87E-02	1.87E-02	1.87E-02	1.85E-02	1.66E-02	5.60E-03	0.00E+00	
SE	79	2.62E-01	2.62E-01	2.62E-01	2.62E-01	2.62E-01	2.62E-01	2.62E-01	2.62E-01	2.59E-01	2.35E-01	6.10E-06	
SR	90	6.57E+04	6.41E+04	6.26E+04	5.83E+04	5.18E+04	4.08E+04	2.00E+04	6.08E+03	3.04E-06	0.00E+00	0.00E+00	
Y	90	6.56E+04	6.42E+04	6.27E+04	5.83E+04	5.18E+04	4.08E+04	2.00E+04	6.08E+03	3.04E-06	0.00E+00	0.00E+00	
ZR	93	1.29E+00	1.29E+00	1.29E+00	1.29E+00	1.29E+00	1.29E+00	1.29E+00	1.29E+00	1.29E+00	1.28E+00	8.18E-01	
NB	93M	3.34E-02	9.24E-02	1.49E-01	3.01E-01	5.08E-01	7.93E-01	1.13E+00	1.21E+00	1.22E+00	1.22E+00	7.77E-01	
TC	99	1.23E+01	1.23E+01	1.23E+01	1.23E+01	1.23E+01	1.23E+01	1.23E+01	1.23E+01	1.23E+01	1.19E+01	4.75E-01	
RU106		2.37E+03	1.19E+03	5.99E+02	7.61E+01	2.45E+00	2.56E-03	2.82E-12	3.33E-27	0.00E+00	0.00E+00	0.00E+00	
RH106		2.96E+03	1.19E+03	5.99E+02	7.61E+01	2.45E+00	2.56E-03	2.82E-12	3.33E-27	0.00E+00	0.00E+00	0.00E+00	
PD107		1.31E-01	1.31E-01	1.31E-01	1.31E-01	1.31E-01	1.31E-01	1.31E-01	1.31E-01	1.31E-01	1.31E-01	1.18E-01	
CD113M		3.33E+01	3.18E+01	3.03E+01	2.63E+01	2.07E+01	1.29E+01	3.10E+00	2.88E-01	7.83E-20	0.00E+00	0.00E+00	
SN121M		4.33E-02	4.27E-02	4.22E-02	4.04E-02	3.77E-02	3.28E-02	2.17E-02	1.08E-02	4.11E-08	0.00E+00	0.00E+00	
SN126		1.55E-01	1.55E-01	1.55E-01	1.55E-01	1.55E-01	1.55E-01	1.55E-01	1.55E-01	1.54E-01	1.44E-01	1.49E-04	
SB125		1.10E+02	8.55E+01	6.66E+01	3.13E+01	8.93E+00	7.25E-01	3.89E-04	1.37E-09	0.00E+00	0.00E+00	0.00E+00	
SB126		5.37E-03	2.17E-02	2.17E-02	2.17E-02	2.17E-02	2.17E-02	2.16E-02	2.16E-02	2.15E-02	2.02E-02	2.12E-05	
SB126M		3.83E-02	1.55E-01	1.55E-01	1.55E-01	1.55E-01	1.55E-01	1.55E-01	1.55E-01	1.54E-01	1.44E-01	1.51E-04	
TE125M		3.26E+02	2.47E+01	1.63E+01	7.65E+00	2.18E+00	1.77E-01	9.49E-05	3.36E-10	0.00E+00	0.00E+00	0.00E+00	
CS134		2.07E+04	1.48E+04	1.06E+04	3.86E+03	7.19E+02	2.49E+01	1.04E-03	5.25E-11	0.00E+00	0.00E+00	0.00E+00	
CS135		4.80E-01	4.80E-01	4.80E-01	4.80E-01	4.80E-01	4.80E-01	4.80E-01	4.80E-01	4.80E-01	4.79E-01	3.55E-01	
CS137		1.10E+05	1.07E+05	1.05E+05	9.76E+04	8.69E+04	6.90E+04	3.45E+04	1.09E+04	1.02E-05	0.00E+00	0.00E+00	
BA137M		1.04E+05	1.01E+05	9.89E+04	9.23E+04	8.22E+04	6.53E+04	3.26E+04	1.03E+04	9.62E-06	0.00E+00	0.00E+00	
CE144		2.47E+03	1.01E+03	4.15E+02	2.87E+01	3.35E-01	4.55E-05	1.14E-16	5.26E-36	0.00E+00	0.00E+00	0.00E+00	
PR144		2.47E+03	1.01E+03	4.15E+02	2.87E+01	3.35E-01	4.55E-05	1.14E-16	5.26E-36	0.00E+00	0.00E+00	0.00E+00	
PR144M		2.96E+01	1.21E+01	4.98E+00	3.45E-01	4.02E-03	5.46E-07	1.37E-18	6.32E-38	0.00E+00	0.00E+00	0.00E+00	
PM147		2.69E+04	2.07E+04	1.59E+04	7.18E+03	1.92E+03	1.37E+02	4.94E-02	9.08E-08	0.00E+00	0.00E+00	0.00E+00	
SM151		4.58E+02	4.55E+02	4.51E+02	4.41E+02	4.24E+02	3.93E+02	3.12E+02	2.12E+02	2.07E-01	0.00E+00	0.00E+00	
EU152		5.18E+00	4.92E+00	4.68E+00	4.01E+00	3.11E+00	1.87E+00	4.05E-01	3.17E-02	3.85E-22	0.00E+00	0.00E+00	
EU154		1.01E+04	9.28E+03	8.57E+03	6.73E+03	4.50E+03	2.01E+03	1.79E+02	3.19E+00	0.00E+00	0.00E+00	0.00E+00	
EU155		4.39E+03	3.82E+03	3.32E+03	2.18E+03	1.09E+03	2.68E+02	4.06E+00	3.75E-03	0.00E+00	0.00E+00	0.00E+00	
Summe		4.18E+05	3.91E+05	3.70E+05	3.28E+05	2.82E+05	2.19E+05	1.08E+05	3.36E+04	1.62E+01	1.56E+01	2.54E+00	

DWR mit UO ₂ /MOX-Brennstoff (70/30), 5.Rezyklierung, WA-Zeitpunkt 7A / HAWC												
Wärmeleistung der Spaltprodukt nuklide [W/TSM]												
ZEITEN NACH DER WIEDERAUFARBEITUNG [A]												
	0	1	2	5	10	20	50	100	1000	10000	1000000	
H 3	1.47E-02	1.39E-02	1.32E-02	1.11E-02	8.41E-03	4.80E-03	8.91E-04	5.39E-05	0.00E+00	0.00E+00	0.00E+00	
SE 79	6.52E-05	6.52E-05	6.52E-05	6.52E-05	6.52E-05	6.52E-05	6.52E-05	6.51E-05	6.45E-05	5.86E-05	1.52E-09	
SR 90	7.62E+01	7.45E+01	7.27E+01	6.77E+01	6.01E+01	4.74E+01	2.32E+01	7.06E+00	3.53E-09	0.00E+00	0.00E+00	
Y 90	3.63E+02	3.56E+02	3.47E+02	3.23E+02	2.87E+02	2.26E+02	1.11E+02	3.37E+01	1.69E-08	0.00E+00	0.00E+00	
ZR 93	1.49E-04	1.49E-04	1.49E-04	1.49E-04	1.49E-04	1.49E-04	1.49E-04	1.49E-04	1.49E-04	1.49E-04	1.49E-04	9.50E-05
NB 93M	5.92E-06	1.64E-05	2.63E-05	5.33E-05	9.00E-05	1.41E-04	2.00E-04	2.15E-04	2.16E-04	2.16E-04	1.38E-04	
TC 99	6.17E-03	6.17E-03	6.17E-03	6.17E-03	6.17E-03	6.17E-03	6.17E-03	6.17E-03	6.15E-03	5.97E-03	2.38E-04	
RU106	1.40E-01	7.06E-02	3.55E-02	4.51E-03	1.45E-04	1.51E-07	1.67E-16	1.97E-31	0.00E+00	0.00E+00	0.00E+00	
RH106	2.84E+01	1.14E+01	5.74E+00	7.30E-01	2.35E-02	2.45E-05	2.71E-14	3.19E-29	0.00E+00	0.00E+00	0.00E+00	
AG110M	3.99E-03	1.45E-03	5.26E-04	2.52E-05	1.59E-07	6.35E-12	4.03E-25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
CD113M	5.61E-02	5.35E-02	5.10E-02	4.42E-02	3.49E-02	2.17E-02	5.22E-03	4.85E-04	1.32E-22	0.00E+00	0.00E+00	
SN121M	8.68E-05	8.56E-05	8.45E-05	8.10E-05	7.56E-05	6.58E-05	4.34E-05	2.17E-05	8.24E-11	0.00E+00	0.00E+00	
SN126	1.93E-04	1.93E-04	1.93E-04	1.93E-04	1.93E-04	1.93E-04	1.93E-04	1.93E-04	1.92E-04	1.80E-04	1.86E-07	
SB125	3.44E-01	2.67E-01	2.08E-01	9.80E-02	2.79E-02	2.27E-03	1.22E-06	4.30E-12	0.00E+00	0.00E+00	0.00E+00	
SB126	9.91E-05	4.00E-04	4.00E-04	4.00E-04	4.00E-04	4.00E-04	4.00E-04	4.00E-04	3.97E-04	3.73E-04	3.92E-07	
SB126M	4.88E-04	1.97E-03	1.97E-03	1.97E-03	1.97E-03	1.97E-03	1.97E-03	1.97E-03	1.96E-03	1.84E-03	1.93E-06	
TE125M	2.74E-01	2.07E-02	1.37E-02	6.43E-03	1.83E-03	1.49E-04	7.98E-08	2.82E-13	0.00E+00	0.00E+00	0.00E+00	
CS134	2.11E+02	1.51E+02	1.08E+02	3.93E+01	7.31E+00	2.54E-01	1.06E-05	5.34E-13	0.00E+00	0.00E+00	0.00E+00	
CS135	1.60E-04	1.60E-04	1.60E-04	1.60E-04	1.60E-04	1.60E-04	1.60E-04	1.60E-04	1.60E-04	1.60E-04	1.19E-04	
CS137	1.21E+02	1.18E+02	1.16E+02	1.08E+02	9.61E+01	7.63E+01	3.82E+01	1.20E+01	1.12E-08	0.00E+00	0.00E+00	
BA137M	4.07E+02	3.97E+02	3.88E+02	3.62E+02	3.23E+02	2.56E+02	1.28E+02	4.04E+01	3.78E-08	0.00E+00	0.00E+00	
CE144	1.64E+00	6.71E-01	2.76E-01	1.91E-02	2.22E-04	3.02E-08	7.56E-20	3.49E-39	0.00E+00	0.00E+00	0.00E+00	
PR144	1.81E+01	7.44E+00	3.05E+00	2.11E-01	2.46E-03	3.34E-07	8.37E-19	3.87E-38	0.00E+00	0.00E+00	0.00E+00	
PR144M	1.01E-02	4.15E-03	1.70E-03	1.18E-04	1.37E-06	1.87E-10	4.68E-22	2.16E-41	0.00E+00	0.00E+00	0.00E+00	
PM147	9.65E+00	7.41E+00	5.69E+00	2.58E+00	6.87E-01	4.90E-02	1.77E-05	3.26E-11	0.00E+00	0.00E+00	0.00E+00	
SM151	5.38E-02	5.34E-02	5.29E-02	5.17E-02	4.98E-02	4.61E-02	3.66E-02	2.49E-02	2.43E-05	0.00E+00	0.00E+00	
EU152	3.93E-02	3.73E-02	3.55E-02	3.04E-02	2.36E-02	1.42E-02	3.07E-03	2.41E-04	2.92E-24	0.00E+00	0.00E+00	
EU154	9.00E+01	8.30E+01	7.66E+01	6.02E+01	4.02E+01	1.80E+01	1.60E+00	2.85E-02	0.00E+00	0.00E+00	0.00E+00	
EU155	3.19E+00	2.78E+00	2.41E+00	1.59E+00	7.89E-01	1.95E-01	2.95E-03	2.73E-06	0.00E+00	0.00E+00	0.00E+00	
HO166M	1.11E-05	1.11E-05	1.11E-05	1.10E-05	1.10E-05	1.10E-05	1.08E-05	1.05E-05	6.22E-06	3.44E-08	0.00E+00	
Summe	1.33E+03	1.21E+03	1.13E+03	9.66E+02	8.15E+02	6.25E+02	3.02E+02	9.32E+01	9.33E-03	8.95E-03	5.99E-04	

DWR mit UO₂/MOX-Brennstoff (70/30), 5.Rezyklierung, WA-Zeitpunkt 7A / MAWC
 Konzentrationen der Aktinidenelemente [G/TSM]

	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
HE	5.21E+00	5.21E+00	5.21E+00	5.21E+00	5.21E+00	5.21E+00	5.21E+00	5.22E+00	5.26E+00	5.36E+00	5.75E+00
TL	0.00E+00	1.72E-14	2.96E-14	4.93E-14	5.77E-14	5.55E-14	4.18E-14	2.59E-14	1.56E-15	1.85E-14	2.88E-13
PB	0.00E+00	2.97E-09	1.08E-08	5.16E-08	1.42E-07	3.32E-07	8.12E-07	1.36E-06	3.14E-06	4.45E-04	5.98E-01
BI	0.00E+00	9.64E-13	1.66E-12	2.80E-12	3.42E-12	4.04E-12	1.16E-11	6.19E-11	5.58E-08	6.13E-05	8.10E-01
PO	0.00E+00	4.18E-17	8.59E-17	4.85E-16	4.15E-15	3.18E-14	4.74E-13	3.50E-12	1.33E-09	5.74E-08	1.40E-07
AT	0.00E+00	4.51E-24	9.48E-24	2.70E-23	6.48E-23	1.72E-22	7.46E-22	2.57E-21	2.65E-19	2.67E-17	1.41E-15
RN	0.00E+00	1.53E-14	2.64E-14	4.42E-14	5.26E-14	5.47E-14	7.70E-14	2.19E-13	3.89E-11	1.68E-09	4.10E-09
FR	0.00E+00	4.26E-20	9.27E-20	2.85E-19	7.40E-19	2.11E-18	9.41E-18	3.07E-17	2.51E-15	2.44E-13	1.28E-11
RA	0.00E+00	9.03E-11	1.60E-10	3.01E-10	4.91E-10	1.12E-09	6.42E-09	3.06E-08	6.06E-06	2.61E-04	6.38E-04
AC	0.00E+00	6.35E-14	2.51E-13	1.52E-12	5.78E-12	2.10E-11	1.01E-10	2.81E-10	4.06E-09	4.34E-08	4.79E-07
TH	0.00E+00	5.46E-07	1.08E-06	2.74E-06	5.69E-06	1.23E-05	3.72E-05	9.26E-05	1.76E-03	1.84E-02	3.41E-01
PA	0.00E+00	8.47E-08	9.09E-08	1.09E-07	1.40E-07	2.03E-07	3.90E-07	7.03E-07	6.34E-06	6.55E-05	6.74E-04
U	9.36E+02	9.36E+02	9.36E+02	9.36E+02	9.36E+02	9.36E+02	9.36E+02	9.36E+02	9.37E+02	9.43E+02	9.53E+02
NP	2.31E+00	2.31E+00	2.31E+00	2.31E+00	2.32E+00	2.34E+00	2.41E+00	2.54E+00	3.79E+00	4.17E+00	3.03E+00
PU	2.10E+01	2.09E+01	2.08E+01	2.06E+01	2.03E+01	1.98E+01	1.92E+01	1.89E+01	1.78E+01	1.20E+01	5.55E-01
AM	1.60E-01	2.45E-01	3.26E-01	5.45E-01	8.44E-01	1.26E+00	1.71E+00	1.73E+00	4.59E-01	2.77E-02	9.80E-09
CM	3.59E-02	3.48E-02	3.37E-02	3.06E-02	2.62E-02	1.96E-02	9.86E-03	5.97E-03	4.80E-03	1.88E-03	2.12E-05
BK	0.00E+00	9.02E-23	9.02E-23	9.02E-23	9.02E-23	9.02E-23	9.01E-23	8.99E-23	8.67E-23	6.06E-23	4.56E-40
CF	0.00E+00	1.66E-19	3.23E-19	7.47E-19	1.32E-18	2.10E-18	2.98E-18	3.18E-18	3.09E-18	2.16E-18	1.62E-35
Summe	9.64E+02	9.64E+02	9.64E+02	9.64E+02	9.64E+02	9.64E+02	9.64E+02	9.64E+02	9.64E+02	9.64E+02	9.64E+02

DWR mit UO ₂ /MOX-Brennstoff (70/30), 5.Rezyklierung, WA-Zeitpunkt 7A / MAWC											
Radioaktivität der Aktinidennuklide [Ci/TSM]											
	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
PO216	0.00E+00	1.41E-05	2.43E-05	4.05E-05	4.74E-05	4.55E-05	3.43E-05	2.12E-05	5.05E-09	1.57E-09	3.36E-08
RN220	0.00E+00	1.41E-05	2.43E-05	4.05E-05	4.74E-05	4.55E-05	3.43E-05	2.12E-05	5.05E-09	1.57E-09	3.36E-08
RA224	0.00E+00	1.41E-05	2.43E-05	4.05E-05	4.74E-05	4.55E-05	3.43E-05	2.12E-05	5.05E-09	1.57E-09	3.36E-08
TH228	0.00E+00	1.41E-05	2.42E-05	4.04E-05	4.74E-05	4.55E-05	3.43E-05	2.12E-05	5.05E-09	1.57E-09	3.36E-08
TH231	0.00E+00	1.38E-05	1.38E-05	1.38E-05	1.38E-05	1.38E-05	1.38E-05	1.38E-05	1.43E-05	1.83E-05	3.18E-05
TH234	0.00E+00	3.11E-04	3.11E-04	3.11E-04	3.11E-04	3.11E-04	3.11E-04	3.11E-04	3.11E-04	3.11E-04	3.12E-04
PA233	0.00E+00	1.63E-03	1.63E-03	1.63E-03	1.64E-03	1.65E-03	1.70E-03	1.79E-03	2.67E-03	2.94E-03	2.13E-03
PA234M	0.00E+00	3.11E-04	3.11E-04	3.11E-04	3.11E-04	3.11E-04	3.11E-04	3.11E-04	3.11E-04	3.11E-04	3.12E-04
U 232	4.57E-05	4.70E-05	4.79E-05	4.90E-05	4.83E-05	4.45E-05	3.34E-05	2.06E-05	4.94E-09	1.37E-09	8.06E-10
U 234	9.07E-04	9.31E-04	9.54E-04	1.02E-03	1.14E-03	1.35E-03	1.89E-03	2.55E-03	3.91E-03	3.82E-03	5.24E-04
U 235	1.38E-05	1.38E-05	1.38E-05	1.38E-05	1.38E-05	1.38E-05	1.38E-05	1.38E-05	1.43E-05	1.83E-05	3.18E-05
U 236	2.35E-04	2.35E-04	2.35E-04	2.35E-04	2.35E-04	2.36E-04	2.37E-04	2.40E-04	2.79E-04	5.24E-04	6.57E-04
U 237	4.67E-03	4.45E-03	4.24E-03	3.67E-03	2.89E-03	1.78E-03	4.21E-04	3.79E-05	1.18E-08	5.66E-09	0.00E+00
U 238	3.11E-04	3.11E-04	3.11E-04	3.11E-04	3.11E-04	3.11E-04	3.11E-04	3.11E-04	3.11E-04	3.11E-04	3.12E-04
NP237	1.63E-03	1.63E-03	1.63E-03	1.63E-03	1.64E-03	1.65E-03	1.70E-03	1.79E-03	2.67E-03	2.94E-03	2.13E-03
NP239	7.06E-01	1.41E-02	1.41E-02	1.41E-02	1.41E-02	1.41E-02	1.40E-02	1.40E-02	1.28E-02	5.52E-03	1.95E-09
PU238	8.40E+00	8.34E+00	8.27E+00	8.08E+00	7.76E+00	7.17E+00	5.66E+00	3.81E+00	3.14E-03	7.60E-23	0.00E+00
PU239	5.26E-01	5.26E-01	5.25E-01	5.25E-01	5.25E-01	5.25E-01	5.25E-01	5.24E-01	5.11E-01	3.96E-01	1.95E-09
PU240	1.58E+00	1.58E+00	1.58E+00	1.58E+00	1.58E+00	1.58E+00	1.57E+00	1.57E+00	1.42E+00	5.49E-01	2.97E-09
PU241	1.86E+02	1.78E+02	1.69E+02	1.47E+02	1.15E+02	7.12E+01	1.68E+01	1.52E+00	4.71E-04	2.26E-04	0.00E+00
PU242	1.27E-02	1.27E-02	1.27E-02	1.27E-02	1.27E-02	1.27E-02	1.27E-02	1.27E-02	1.27E-02	1.25E-02	2.12E-03
AM241	3.07E-01	5.98E-01	8.75E-01	1.63E+00	2.66E+00	4.07E+00	5.64E+00	5.68E+00	1.36E+00	2.27E-04	0.00E+00
AM242M	2.44E-03	2.43E-03	2.41E-03	2.38E-03	2.33E-03	2.22E-03	1.94E-03	1.54E-03	2.55E-05	3.87E-23	0.00E+00
AM242	2.42E-03	2.41E-03	2.40E-03	2.37E-03	2.32E-03	2.21E-03	1.93E-03	1.54E-03	2.54E-05	3.85E-23	0.00E+00
AM243	1.41E-02	1.41E-02	1.41E-02	1.41E-02	1.41E-02	1.41E-02	1.40E-02	1.40E-02	1.28E-02	5.52E-03	1.95E-09
CM242	2.35E-03	2.07E-03	2.01E-03	1.96E-03	1.92E-03	1.83E-03	1.60E-03	1.27E-03	2.10E-05	3.20E-23	0.00E+00
CM243	8.92E-03	8.70E-03	8.50E-03	7.90E-03	6.99E-03	5.48E-03	2.64E-03	7.84E-04	2.46E-13	0.00E+00	0.00E+00
CM244	2.46E+00	2.37E+00	2.28E+00	2.03E+00	1.68E+00	1.14E+00	3.63E-01	5.36E-02	5.92E-17	0.00E+00	0.00E+00
CM245	5.11E-04	5.11E-04	5.11E-04	5.10E-04	5.10E-04	5.10E-04	5.09E-04	5.06E-04	4.71E-04	2.26E-04	0.00E+00
CM246	7.25E-04	7.25E-04	7.25E-04	7.24E-04	7.24E-04	7.23E-04	7.20E-04	7.14E-04	6.26E-04	1.68E-04	2.44E-33
Summe	2.01E+02	1.91E+02	1.83E+02	1.61E+02	1.30E+02	8.58E+01	3.06E+01	1.32E+01	3.34E+00	9.84E-01	3.55E-02

DWR mit UO₂/MOX-Brennstoff (70/30), 5.Rezyklierung, WA-Zeitpunkt 7A / MAWC
 Wärmeleistung der Aktinidennuklide [W/TSM]

	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
BI212	0.00E+00	2.40E-07	4.13E-07	6.88E-07	8.06E-07	7.75E-07	5.83E-07	3.60E-07	8.60E-11	2.67E-11	5.71E-10
PO212	0.00E+00	4.80E-07	8.26E-07	1.38E-06	1.61E-06	1.55E-06	1.17E-06	7.21E-07	1.72E-10	5.35E-11	1.14E-09
PO216	0.00E+00	5.58E-07	9.62E-07	1.60E-06	1.88E-06	1.80E-06	1.36E-06	8.39E-07	2.00E-10	6.22E-11	1.33E-09
RN220	0.00E+00	5.35E-07	9.22E-07	1.54E-06	1.80E-06	1.73E-06	1.30E-06	8.04E-07	1.92E-10	5.97E-11	1.27E-09
RA224	0.00E+00	4.84E-07	8.34E-07	1.39E-06	1.63E-06	1.56E-06	1.18E-06	7.27E-07	1.73E-10	5.39E-11	1.15E-09
TH228	0.00E+00	4.61E-07	7.93E-07	1.32E-06	1.55E-06	1.49E-06	1.12E-06	6.93E-07	1.65E-10	5.14E-11	1.10E-09
TH234	0.00E+00	1.26E-07	1.26E-07	1.26E-07	1.26E-07	1.26E-07	1.26E-07	1.26E-07	1.26E-07	1.26E-07	1.27E-07
PA233	0.00E+00	3.70E-06	3.70E-06	3.71E-06	3.71E-06	3.74E-06	3.85E-06	4.06E-06	6.07E-06	6.67E-06	4.84E-06
PA234M	0.00E+00	1.54E-06	1.54E-06	1.54E-06	1.54E-06	1.54E-06	1.54E-06	1.54E-06	1.54E-06	1.54E-06	1.54E-06
U 232	1.47E-06	1.51E-06	1.54E-06	1.57E-06	1.55E-06	1.43E-06	1.07E-06	6.62E-07	1.59E-10	4.40E-11	2.59E-11
U 234	2.61E-05	2.68E-05	2.75E-05	2.95E-05	3.27E-05	3.88E-05	5.44E-05	7.35E-05	1.13E-04	1.10E-04	1.51E-05
U 235	3.82E-07	3.82E-07	3.82E-07	3.82E-07	3.82E-07	3.82E-07	3.82E-07	3.83E-07	3.96E-07	5.07E-07	8.83E-07
U 236	6.36E-06	6.37E-06	6.37E-06	6.37E-06	6.38E-06	6.39E-06	6.43E-06	6.49E-06	7.57E-06	1.42E-05	1.78E-05
U 238	7.88E-06	7.88E-06	7.88E-06	7.88E-06	7.88E-06	7.88E-06	7.88E-06	7.88E-06	7.88E-06	7.88E-06	7.90E-06
NP237	4.79E-05	4.79E-05	4.79E-05	4.80E-05	4.81E-05	4.84E-05	4.98E-05	5.26E-05	7.86E-05	8.64E-05	6.27E-05
NP239	1.71E-03	3.41E-05	3.41E-05	3.41E-05	3.41E-05	3.41E-05	3.41E-05	3.40E-05	3.38E-05	3.11E-05	1.33E-05
PU238	2.79E-01	2.76E-01	2.74E-01	2.68E-01	2.57E-01	2.38E-01	1.88E-01	1.26E-01	1.04E-04	2.52E-24	0.00E+00
PU239	1.63E-02	1.63E-02	1.63E-02	1.63E-02	1.63E-02	1.63E-02	1.63E-02	1.63E-02	1.59E-02	1.23E-02	6.08E-11
PU240	4.91E-02	4.91E-02	4.91E-02	4.91E-02	4.91E-02	4.91E-02	4.90E-02	4.88E-02	4.44E-02	1.71E-02	9.26E-11
PU241	5.75E-03	5.48E-03	5.22E-03	4.52E-03	3.55E-03	2.20E-03	5.18E-04	4.67E-05	1.45E-08	6.98E-09	0.00E+00
PU242	3.75E-04	3.75E-04	3.75E-04	3.75E-04	3.75E-04	3.75E-04	3.75E-04	3.75E-04	3.75E-04	3.69E-04	6.26E-05
AM241	1.03E-02	2.00E-02	2.93E-02	5.44E-02	8.87E-02	1.36E-01	1.88E-01	1.90E-01	4.53E-02	7.59E-06	0.00E+00
AM242M	9.62E-07	9.58E-07	9.53E-07	9.40E-07	9.19E-07	8.78E-07	7.66E-07	6.10E-07	1.01E-08	1.53E-26	0.00E+00
AM242	2.82E-06	2.80E-06	2.79E-06	2.75E-06	2.69E-06	2.57E-06	2.24E-06	1.79E-06	2.95E-08	4.48E-26	0.00E+00
AM243	4.55E-04	4.55E-04	4.55E-04	4.55E-04	4.55E-04	4.54E-04	4.53E-04	4.51E-04	4.14E-04	1.78E-04	6.30E-11
CM242	8.66E-05	7.63E-05	7.39E-05	7.24E-05	7.06E-05	6.74E-05	5.88E-05	4.68E-05	7.74E-07	1.18E-24	0.00E+00
CM243	3.27E-04	3.19E-04	3.12E-04	2.90E-04	2.57E-04	2.01E-04	9.70E-05	2.88E-05	9.02E-15	0.00E+00	0.00E+00
CM244	8.61E-02	8.29E-02	7.98E-02	7.11E-02	5.87E-02	4.01E-02	1.27E-02	1.88E-03	2.07E-18	0.00E+00	0.00E+00
CM245	1.70E-05	1.70E-05	1.70E-05	1.70E-05	1.70E-05	1.70E-05	1.69E-05	1.69E-05	1.57E-05	7.53E-06	0.00E+00
CM246	2.37E-05	2.37E-05	2.37E-05	2.37E-05	2.37E-05	2.37E-05	2.36E-05	2.34E-05	2.05E-05	5.48E-06	7.97E-35
Summe	4.49E-01	4.52E-01	4.55E-01	4.65E-01	4.75E-01	4.83E-01	4.56E-01	3.85E-01	1.07E-01	3.03E-02	8.47E-04

DWR mit UO ₂ /MOX-Brennstoff (70/30), 5.Rezyklierung, WA-Zeitpunkt 7A / MAWC											
Konzentrationen der Spaltproduktelemente [G/TSM]											
	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
H	4.52E-02	4.27E-02	4.04E-02	3.41E-02	2.58E-02	1.47E-02	2.73E-03	1.65E-04	0.00E+00	0.00E+00	0.00E+00
C	4.21E-03	4.21E-03	4.21E-03	4.21E-03	4.20E-03	4.20E-03	4.18E-03	4.16E-03	3.73E-03	1.26E-03	0.00E+00
SE	6.31E-02	6.31E-02	6.31E-02	6.31E-02	6.31E-02	6.31E-02	6.31E-02	6.31E-02	6.30E-02	6.24E-02	5.68E-02
BR	2.53E-03	2.53E-03	2.53E-03	2.53E-03	2.53E-03	2.53E-03	2.53E-03	2.53E-03	2.59E-03	3.16E-03	8.80E-03
RB	3.65E-02	3.65E-02	3.65E-02	3.65E-02	3.65E-02	3.65E-02	3.65E-02	3.65E-02	3.65E-02	3.65E-02	3.65E-02
SR	8.45E-02	8.34E-02	8.23E-02	7.91E-02	7.44E-02	6.63E-02	5.11E-02	4.09E-02	3.64E-02	3.64E-02	3.64E-02
Y	4.80E-02	4.80E-02	4.80E-02	4.80E-02	4.80E-02	4.80E-02	4.79E-02	4.79E-02	4.79E-02	4.79E-02	4.79E-02
ZR	1.41E+01	1.41E+01	1.41E+01	1.41E+01	1.41E+01	1.41E+01	1.41E+01	1.41E+01	1.41E+01	1.41E+01	1.31E+01
MO	2.00E+00	2.00E+00	2.00E+00	2.00E+00	2.00E+00	2.00E+00	2.00E+00	2.00E+00	2.00E+00	2.00E+00	2.00E+00
TC	4.53E-01	4.53E-01	4.53E-01	4.53E-01	4.53E-01	4.53E-01	4.53E-01	4.53E-01	4.52E-01	4.39E-01	1.75E-02
RU	5.66E+00	5.65E+00	5.65E+00	5.65E+00	5.65E+00	5.65E+00	5.65E+00	5.65E+00	5.65E+00	5.67E+00	6.09E+00
RH	1.10E+00	1.10E+00	1.10E+00	1.10E+00	1.10E+00	1.10E+00	1.10E+00	1.10E+00	1.10E+00	1.10E+00	1.10E+00
PD	1.22E+00	1.22E+00	1.22E+00	1.22E+00	1.22E+00	1.22E+00	1.22E+00	1.22E+00	1.22E+00	1.22E+00	1.20E+00
AG	9.88E-03	9.88E-03	9.88E-03	9.88E-03	9.88E-03	9.88E-03	9.88E-03	9.89E-03	9.90E-03	1.01E-02	2.92E-02
CD	1.27E-02	1.27E-02	1.27E-02	1.27E-02	1.26E-02	1.26E-02	1.26E-02	1.26E-02	1.26E-02	1.26E-02	1.26E-02
SN	6.59E-02	6.59E-02	6.59E-02	6.59E-02	6.59E-02	6.59E-02	6.59E-02	6.59E-02	6.57E-02	6.41E-02	3.86E-02
SB	9.61E-03	9.27E-03	9.01E-03	8.53E-03	8.22E-03	8.11E-03	8.10E-03	8.10E-03	8.11E-03	8.11E-03	8.11E-03
TE	6.00E-01	6.00E-01	6.01E-01	6.01E-01	6.01E-01	6.02E-01	6.02E-01	6.02E-01	6.02E-01	6.03E-01	6.29E-01
I	3.02E-02	3.02E-02	3.02E-02	3.02E-02	3.02E-02	3.02E-02	3.02E-02	3.02E-02	3.02E-02	3.02E-02	2.92E-02
CS	3.01E-01	2.98E-01	2.95E-01	2.86E-01	2.74E-01	2.53E-01	2.13E-01	1.86E-01	1.74E-01	1.74E-01	1.63E-01
BA	1.99E-01	2.02E-01	2.05E-01	2.14E-01	2.26E-01	2.47E-01	2.87E-01	3.14E-01	3.26E-01	3.27E-01	3.37E-01
LA	1.43E-01	1.43E-01	1.43E-01	1.43E-01	1.43E-01	1.43E-01	1.43E-01	1.43E-01	1.43E-01	1.43E-01	1.43E-01
CE	2.81E-01	2.81E-01	2.81E-01	2.81E-01	2.81E-01	2.81E-01	2.81E-01	2.81E-01	2.81E-01	2.81E-01	2.81E-01
PR	1.32E-01	1.32E-01	1.32E-01	1.32E-01	1.32E-01	1.32E-01	1.32E-01	1.32E-01	1.32E-01	1.32E-01	1.32E-01
ND	4.72E-01	4.72E-01	4.72E-01	4.72E-01	4.72E-01	4.72E-01	4.72E-01	4.72E-01	4.72E-01	4.72E-01	4.72E-01
PM	2.90E-03	2.23E-03	1.71E-03	7.74E-04	2.07E-04	1.47E-05	5.33E-09	9.79E-15	0.00E+00	0.00E+00	0.00E+00
SM	1.00E-01	1.01E-01	1.01E-01	1.02E-01	1.03E-01	1.03E-01	1.03E-01	1.02E-01	1.01E-01	1.01E-01	1.01E-01
EU	1.73E-02	1.69E-02	1.65E-02	1.56E-02	1.46E-02	1.37E-02	1.32E-02	1.36E-02	1.44E-02	1.44E-02	1.44E-02
GD	1.91E-02	1.95E-02	1.99E-02	2.08E-02	2.19E-02	2.30E-02	2.37E-02	2.38E-02	2.38E-02	2.38E-02	2.38E-02
TB	3.17E-04	3.17E-04	3.17E-04	3.17E-04	3.17E-04	3.17E-04	3.17E-04	3.17E-04	3.17E-04	3.17E-04	3.17E-04
Summe	2.72E+01	2.72E+01	2.72E+01	2.72E+01	2.72E+01	2.72E+01	2.72E+01	2.72E+01	2.71E+01	2.71E+01	2.71E+01

DWR mit UO₂/MOX-Brennstoff (70/30), 5.Rezyklierung, WA-Zeitpunkt 7A / MAWC
Radioaktivität der Spaltprodukt nuklide [Ci/TSM]

		ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
		0	1	2	5	10	20	50	100	1000	10000	1000000
H	3	4.36E+02	4.13E+02	3.90E+02	3.30E+02	2.49E+02	1.42E+02	2.64E+01	1.59E+00	0.00E+00	0.00E+00	0.00E+00
C	14	1.88E-02	1.88E-02	1.88E-02	1.88E-02	1.87E-02	1.87E-02	1.87E-02	1.85E-02	1.66E-02	5.60E-03	0.00E+00
SE	79	4.37E-04	4.37E-04	4.37E-04	4.37E-04	4.37E-04	4.37E-04	4.37E-04	4.37E-04	4.33E-04	3.93E-04	1.02E-08
SR	90	6.57E+00	6.42E+00	6.26E+00	5.83E+00	5.18E+00	4.08E+00	2.00E+00	6.08E-01	3.04E-10	0.00E+00	0.00E+00
Y	90	6.57E+00	6.42E+00	6.27E+00	5.83E+00	5.18E+00	4.08E+00	2.00E+00	6.08E-01	3.04E-10	0.00E+00	0.00E+00
ZR	93	6.96E-03	6.96E-03	6.96E-03	6.96E-03	6.96E-03	6.96E-03	6.96E-03	6.96E-03	6.96E-03	6.93E-03	4.43E-03
NB	93M	6.69E-05	3.92E-04	7.01E-04	1.54E-03	2.68E-03	4.25E-03	6.10E-03	6.57E-03	6.61E-03	6.58E-03	4.20E-03
TC	99	7.69E-03	7.69E-03	7.69E-03	7.69E-03	7.69E-03	7.69E-03	7.69E-03	7.69E-03	7.67E-03	7.44E-03	2.97E-04
RU	106	1.19E+01	5.98E+00	3.01E+00	3.82E-01	1.23E-02	1.30E-05	1.43E-14	1.69E-29	0.00E+00	0.00E+00	0.00E+00
RH	106	1.07E+01	5.98E+00	3.01E+00	3.82E-01	1.23E-02	1.30E-05	1.43E-14	1.69E-29	0.00E+00	0.00E+00	0.00E+00
PD	107	9.82E-05	9.82E-05	9.82E-05	9.82E-05	9.82E-05	9.82E-05	9.82E-05	9.82E-05	9.82E-05	9.81E-05	8.82E-05
CD	113M	4.17E-03	3.97E-03	3.79E-03	3.29E-03	2.59E-03	1.61E-03	3.88E-04	3.60E-05	9.79E-24	0.00E+00	0.00E+00
SN	121M	2.18E-04	2.15E-04	2.12E-04	2.03E-04	1.90E-04	1.65E-04	1.09E-04	5.44E-05	2.07E-10	0.00E+00	0.00E+00
SN	126	7.77E-04	7.77E-04	7.77E-04	7.77E-04	7.77E-04	7.77E-04	7.77E-04	7.77E-04	7.72E-04	7.25E-04	7.60E-07
SB	125	1.56E+00	1.21E+00	9.45E-01	4.45E-01	1.27E-01	1.03E-02	5.52E-06	1.95E-11	0.00E+00	0.00E+00	0.00E+00
SB	126	7.62E-05	1.09E-04	1.09E-04	1.09E-04	1.09E-04	1.09E-04	1.09E-04	1.09E-04	1.08E-04	1.02E-04	1.07E-07
SB	126M	5.44E-04	7.77E-04	7.77E-04	7.77E-04	7.77E-04	7.77E-04	7.77E-04	7.77E-04	7.72E-04	7.25E-04	7.61E-07
TE	125M	5.44E-01	2.98E-01	2.31E-01	1.09E-01	3.09E-02	2.51E-03	1.35E-06	4.76E-12	0.00E+00	0.00E+00	0.00E+00
CS	134	2.07E+00	1.48E+00	1.06E+00	3.86E-01	7.19E-02	2.49E-03	1.04E-07	5.25E-15	0.00E+00	0.00E+00	0.00E+00
CS	135	4.80E-05	4.80E-05	4.80E-05	4.80E-05	4.80E-05	4.80E-05	4.80E-05	4.80E-05	4.80E-05	4.79E-05	3.55E-05
CS	137	1.10E+01	1.07E+01	1.05E+01	9.76E+00	8.69E+00	6.90E+00	3.45E+00	1.09E+00	1.02E-09	0.00E+00	0.00E+00
BA	137M	1.04E+01	1.01E+01	9.89E+00	9.23E+00	8.22E+00	6.53E+00	3.26E+00	1.03E+00	9.62E-10	0.00E+00	0.00E+00
CE	144	2.47E-01	1.01E-01	4.15E-02	2.87E-03	3.35E-05	4.55E-09	1.14E-20	5.26E-40	0.00E+00	0.00E+00	0.00E+00
PR	144	2.47E-01	1.01E-01	4.15E-02	2.87E-03	3.35E-05	4.55E-09	1.14E-20	5.26E-40	0.00E+00	0.00E+00	0.00E+00
PR	144M	2.96E-03	1.21E-03	4.99E-04	3.45E-05	4.02E-07	5.46E-11	1.37E-22	6.32E-42	0.00E+00	0.00E+00	0.00E+00
PM	147	2.69E+00	2.07E+00	1.59E+00	7.18E-01	1.92E-01	1.37E-02	4.94E-06	9.08E-12	0.00E+00	0.00E+00	0.00E+00
SM	151	4.58E-02	4.55E-02	4.51E-02	4.41E-02	4.24E-02	3.93E-02	3.12E-02	2.12E-02	2.07E-05	0.00E+00	0.00E+00
EU	152	5.18E-04	4.92E-04	4.68E-04	4.02E-04	3.11E-04	1.87E-04	4.05E-05	3.17E-06	3.85E-26	0.00E+00	0.00E+00
EU	154	1.01E+00	9.28E-01	8.57E-01	6.73E-01	4.50E-01	2.01E-01	1.79E-02	3.19E-04	0.00E+00	0.00E+00	0.00E+00
EU	155	4.39E-01	3.82E-01	3.32E-01	2.18E-01	1.09E-01	2.68E-02	4.06E-04	3.75E-07	0.00E+00	0.00E+00	0.00E+00
Summe		5.02E+02	4.65E+02	4.34E+02	3.64E+02	2.77E+02	1.64E+02	3.72E+01	4.99E+00	4.01E-02	2.87E-02	9.06E-03

DWR mit UO ₂ /MOX-Brennstoff (70/30), 5.Rezyklierung, WA-Zeitpunkt 7A / MAWC												
Wärmeleistung der Spaltprodukt nuklide [W/TSM]												
ZEITEN NACH DER WIEDERAUFARBEITUNG [A]												
		0	1	2	5	10	20	50	100	1000	10000	1000000
H 3		1.47E-02	1.39E-02	1.32E-02	1.11E-02	8.41E-03	4.80E-03	8.91E-04	5.39E-05	0.00E+00	0.00E+00	0.00E+00
C 14		5.51E-06	5.51E-06	5.50E-06	5.50E-06	5.50E-06	5.49E-06	5.47E-06	5.44E-06	4.88E-06	1.64E-06	0.00E+00
SE 79		1.09E-07	1.09E-07	1.09E-07	1.09E-07	1.09E-07	1.09E-07	1.09E-07	1.09E-07	1.08E-07	9.78E-08	2.54E-12
SR 90		7.63E-03	7.45E-03	7.27E-03	6.77E-03	6.01E-03	4.74E-03	2.32E-03	7.06E-04	3.53E-13	0.00E+00	0.00E+00
Y 90		3.64E-02	3.56E-02	3.47E-02	3.23E-02	2.87E-02	2.26E-02	1.11E-02	3.37E-03	1.69E-12	0.00E+00	0.00E+00
ZR 93		8.09E-07	8.09E-07	8.09E-07	8.09E-07	8.09E-07	8.09E-07	8.09E-07	8.09E-07	8.08E-07	8.05E-07	5.14E-07
NB 93M		1.19E-08	6.95E-08	1.24E-07	2.73E-07	4.75E-07	7.53E-07	1.08E-06	1.17E-06	1.17E-06	1.17E-06	7.45E-07
TC 99		3.86E-06	3.86E-06	3.86E-06	3.86E-06	3.86E-06	3.86E-06	3.86E-06	3.86E-06	3.84E-06	3.73E-06	1.49E-07
RU106		7.05E-04	3.55E-04	1.78E-04	2.27E-05	7.29E-07	7.69E-10	8.48E-19	1.00E-33	0.00E+00	0.00E+00	0.00E+00
RH106		1.03E-01	5.74E-02	2.89E-02	3.67E-03	1.18E-04	1.24E-07	1.37E-16	1.62E-31	0.00E+00	0.00E+00	0.00E+00
AG110M		8.00E-06	2.90E-06	1.05E-06	5.05E-08	3.19E-10	1.27E-14	8.09E-28	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CD113M		7.01E-06	6.69E-06	6.38E-06	5.53E-06	4.36E-06	2.71E-06	6.52E-07	6.07E-08	1.65E-26	0.00E+00	0.00E+00
SN121M		4.36E-07	4.30E-07	4.24E-07	4.07E-07	3.80E-07	3.31E-07	2.18E-07	1.09E-07	4.14E-13	0.00E+00	0.00E+00
SN126		9.70E-07	9.70E-07	9.70E-07	9.69E-07	9.69E-07	9.69E-07	9.69E-07	9.69E-07	9.63E-07	9.05E-07	9.48E-10
SB125		4.88E-03	3.80E-03	2.95E-03	1.39E-03	3.96E-04	3.22E-05	1.73E-08	6.10E-14	0.00E+00	0.00E+00	0.00E+00
SB126		1.41E-06	2.01E-06	2.01E-06	2.01E-06	2.01E-06	2.01E-06	2.01E-06	2.01E-06	2.00E-06	1.88E-06	1.97E-09
SB126M		6.93E-06	9.90E-06	9.90E-06	9.90E-06	9.90E-06	9.90E-06	9.89E-06	9.89E-06	9.83E-06	9.24E-06	9.69E-09
TE125M		4.57E-04	2.51E-04	1.94E-04	9.13E-05	2.60E-05	2.11E-06	1.13E-09	4.00E-15	0.00E+00	0.00E+00	0.00E+00
CS134		2.11E-02	1.51E-02	1.08E-02	3.93E-03	7.31E-04	2.54E-05	1.06E-09	5.34E-17	0.00E+00	0.00E+00	0.00E+00
CS135		1.60E-08	1.60E-08	1.60E-08	1.60E-08	1.60E-08	1.60E-08	1.60E-08	1.60E-08	1.60E-08	1.60E-08	1.19E-08
CS137		1.21E-02	1.18E-02	1.16E-02	1.08E-02	9.62E-03	7.63E-03	3.82E-03	1.20E-03	1.12E-12	0.00E+00	0.00E+00
BA137M		4.07E-02	3.98E-02	3.88E-02	3.62E-02	3.23E-02	2.56E-02	1.28E-02	4.04E-03	3.78E-12	0.00E+00	0.00E+00
CE144		1.64E-04	6.71E-05	2.76E-05	1.91E-06	2.22E-08	3.02E-12	7.56E-24	3.49E-43	0.00E+00	0.00E+00	0.00E+00
PR144		1.81E-03	7.44E-04	3.05E-04	2.11E-05	2.46E-07	3.34E-11	8.37E-23	3.87E-42	0.00E+00	0.00E+00	0.00E+00
PR144M		1.01E-06	4.15E-07	1.71E-07	1.18E-08	1.37E-10	1.87E-14	4.68E-26	2.16E-45	0.00E+00	0.00E+00	0.00E+00
PM147		9.65E-04	7.41E-04	5.69E-04	2.58E-04	6.87E-05	4.90E-06	1.77E-09	3.26E-15	0.00E+00	0.00E+00	0.00E+00
SM151		5.38E-06	5.34E-06	5.29E-06	5.17E-06	4.98E-06	4.61E-06	3.66E-06	2.49E-06	2.43E-09	0.00E+00	0.00E+00
EU152		3.93E-06	3.73E-06	3.55E-06	3.04E-06	2.36E-06	1.42E-06	3.07E-07	2.41E-08	2.92E-28	0.00E+00	0.00E+00
EU154		9.00E-03	8.31E-03	7.66E-03	6.02E-03	4.02E-03	1.80E-03	1.60E-04	2.85E-06	0.00E+00	0.00E+00	0.00E+00
EU155		3.19E-04	2.78E-04	2.41E-04	1.59E-04	7.89E-05	1.95E-05	2.95E-07	2.73E-10	0.00E+00	0.00E+00	0.00E+00
Summe		2.54E-01	1.96E-01	1.57E-01	1.13E-01	9.05E-02	6.73E-02	3.11E-02	9.40E-03	2.36E-05	1.95E-05	1.44E-06

DWR mit UO₂/MOX-Brennstoff (70/30), 5.Rezyklierung, WA-Zeitpunkt 7A / FKS
 Konzentrationen der Aktinidenelemente [G/TSM]

	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
HE	5.21E+00	5.21E+00	5.21E+00	5.21E+00	5.21E+00	5.22E+00	5.24E+00	5.27E+00	5.54E+00	6.12E+00	7.97E+00
TL	0.00E+00	5.23E-14	9.11E-14	1.56E-13	1.88E-13	1.83E-13	1.38E-13	8.57E-14	4.72E-15	6.16E-14	1.18E-12
PB	0.00E+00	8.98E-09	3.30E-08	1.60E-07	4.53E-07	1.08E-06	2.66E-06	4.48E-06	1.13E-05	2.01E-03	2.60E+00
BI	0.00E+00	2.93E-12	5.12E-12	8.85E-12	1.09E-11	1.19E-11	1.87E-11	5.53E-11	8.75E-08	2.04E-04	2.91E+00
PO	0.00E+00	1.27E-16	2.64E-16	1.50E-15	1.30E-14	1.03E-13	1.65E-12	1.32E-11	6.00E-09	2.62E-07	5.38E-07
AT	0.00E+00	1.29E-23	2.58E-23	6.45E-23	1.29E-22	2.61E-22	7.01E-22	1.81E-21	4.93E-19	9.16E-17	5.06E-15
RN	0.00E+00	4.65E-14	8.12E-14	1.40E-13	1.71E-13	1.81E-13	2.65E-13	8.28E-13	1.75E-10	7.64E-09	1.57E-08
FR	0.00E+00	1.22E-19	2.54E-19	7.06E-19	1.63E-18	4.02E-18	1.43E-17	3.86E-17	4.80E-15	8.36E-13	4.60E-11
RA	0.00E+00	2.75E-10	4.91E-10	9.48E-10	1.58E-09	3.68E-09	2.28E-08	1.17E-07	2.73E-05	1.19E-03	2.44E-03
AC	0.00E+00	1.90E-13	7.54E-13	4.57E-12	1.74E-11	6.29E-11	3.02E-10	8.45E-10	1.23E-08	1.44E-07	2.09E-06
TH	0.00E+00	1.65E-06	3.30E-06	8.50E-06	1.81E-05	4.09E-05	1.35E-04	3.61E-04	7.82E-03	8.24E-02	1.44E+00
PA	0.00E+00	1.88E-08	3.77E-08	9.45E-08	1.89E-07	3.80E-07	9.56E-07	1.92E-06	1.93E-05	2.18E-04	2.99E-03
U	2.81E+03	2.81E+03	2.81E+03	2.81E+03	2.81E+03	2.81E+03	2.81E+03	2.81E+03	2.81E+03	2.84E+03	2.90E+03
NP	0.00E+00	1.02E-02	2.11E-02	5.71E-02	1.27E-01	2.95E-01	9.05E-01	1.97E+00	1.20E+01	1.50E+01	1.09E+01
PU	1.05E+02	1.05E+02	1.04E+02	1.03E+02	1.01E+02	9.89E+01	9.57E+01	9.42E+01	8.92E+01	6.25E+01	2.78E+00
AM	1.12E+01	1.16E+01	1.20E+01	1.31E+01	1.46E+01	1.65E+01	1.85E+01	1.81E+01	7.65E+00	1.94E+00	1.98E-09
CM	0.00E+00	3.53E-05	4.41E-05	5.05E-05	5.64E-05	6.46E-05	7.51E-05	8.09E-05	1.33E-04	7.04E-05	4.34E-06
BK	4.46E-07	2.02E-07	9.18E-08	8.55E-09	1.64E-10	6.02E-14	2.99E-24	7.53E-33	7.53E-33	7.53E-33	5.66E-50
CF	1.64E-04	1.62E-04	1.61E-04	1.56E-04	1.49E-04	1.38E-04	1.22E-04	1.09E-04	1.98E-05	2.01E-09	2.02E-45
Summe	2.93E+03	2.93E+03	2.93E+03	2.93E+03	2.93E+03	2.93E+03	2.93E+03	2.93E+03	2.93E+03	2.93E+03	2.93E+03

DWR mit UO ₂ /MOX-Brennstoff (70/30), 5.Rezyklierung, WA-Zeitpunkt 7A / FKS Radioaktivität der Aktinidennuklide [Ci/TSM]												
ZEITEN NACH DER WIEDERAUFARBEITUNG [A]												
	0	1	2	5	10	20	50	100	1000	10000	1000000	
PB212	0.00E+00	4.29E-05	7.48E-05	1.28E-04	1.54E-04	1.50E-04	1.13E-04	7.01E-05	1.22E-08	7.64E-10	1.41E-07	
BI212	0.00E+00	4.29E-05	7.48E-05	1.28E-04	1.54E-04	1.50E-04	1.13E-04	7.01E-05	1.22E-08	7.64E-10	1.41E-07	
PO216	0.00E+00	4.29E-05	7.48E-05	1.28E-04	1.54E-04	1.50E-04	1.13E-04	7.01E-05	1.22E-08	7.64E-10	1.41E-07	
RN220	0.00E+00	4.29E-05	7.48E-05	1.28E-04	1.54E-04	1.50E-04	1.13E-04	7.01E-05	1.22E-08	7.64E-10	1.41E-07	
RA224	0.00E+00	4.29E-05	7.48E-05	1.28E-04	1.54E-04	1.50E-04	1.13E-04	7.01E-05	1.22E-08	7.64E-10	1.41E-07	
TH228	0.00E+00	4.29E-05	7.46E-05	1.28E-04	1.54E-04	1.50E-04	1.13E-04	7.01E-05	1.22E-08	7.64E-10	1.41E-07	
TH234	0.00E+00	9.34E-04	9.34E-04	9.34E-04	9.34E-04	9.34E-04	9.34E-04	9.34E-04	9.34E-04	9.34E-04	9.38E-04	
PA233	0.00E+00	7.20E-06	1.49E-05	4.03E-05	8.98E-05	2.08E-04	6.38E-04	1.39E-03	8.44E-03	1.06E-02	7.68E-03	
PA234M	0.00E+00	9.34E-04	9.34E-04	9.34E-04	9.34E-04	9.34E-04	9.34E-04	9.34E-04	9.34E-04	9.34E-04	9.38E-04	
U 232	1.37E-04	1.44E-04	1.50E-04	1.58E-04	1.59E-04	1.47E-04	1.10E-04	6.82E-05	1.18E-08	0.00E+00	0.00E+00	
U 234	2.72E-03	2.84E-03	2.96E-03	3.30E-03	3.87E-03	4.92E-03	7.64E-03	1.10E-02	1.78E-02	1.74E-02	1.93E-03	
U 235	4.13E-05	4.13E-05	4.13E-05	4.13E-05	4.13E-05	4.13E-05	4.14E-05	4.15E-05	4.38E-05	6.47E-05	1.41E-04	
U 236	7.05E-04	7.05E-04	7.05E-04	7.06E-04	7.07E-04	7.09E-04	7.16E-04	7.28E-04	9.26E-04	2.14E-03	2.82E-03	
U 237	1.40E-02	2.22E-02	2.12E-02	1.84E-02	1.44E-02	8.91E-03	2.10E-03	1.90E-04	4.42E-10	2.50E-10	0.00E+00	
U 238	9.34E-04	9.34E-04	9.34E-04	9.34E-04	9.34E-04	9.34E-04	9.34E-04	9.34E-04	9.34E-04	9.34E-04	9.38E-04	
NP237	0.00E+00	7.20E-06	1.49E-05	4.03E-05	8.98E-05	2.08E-04	6.38E-04	1.39E-03	8.44E-03	1.06E-02	7.68E-03	
NP238	0.00E+00	8.49E-04	8.45E-04	8.34E-04	8.15E-04	7.79E-04	6.79E-04	5.41E-04	8.93E-06	1.36E-23	0.00E+00	
NP239	0.00E+00	9.88E-01	9.88E-01	9.88E-01	9.87E-01	9.86E-01	9.83E-01	9.79E-01	8.99E-01	3.86E-01	3.95E-10	
PU238	4.20E+01	4.17E+01	4.13E+01	4.04E+01	3.88E+01	3.59E+01	2.83E+01	1.91E+01	1.71E-02	5.32E-21	0.00E+00	
PU239	2.63E+00	2.63E+00	2.63E+00	2.63E+00	2.63E+00	2.63E+00	2.63E+00	2.62E+00	2.58E+00	2.13E+00	3.96E-10	
PU240	7.88E+00	7.88E+00	7.88E+00	7.88E+00	7.87E+00	7.87E+00	7.84E+00	7.80E+00	7.09E+00	2.73E+00	1.48E-08	
PU241	9.32E+02	8.89E+02	8.47E+02	7.33E+02	5.76E+02	3.56E+02	8.41E+01	7.58E+00	1.77E-05	1.00E-05	0.00E+00	
PU242	6.35E-02	6.35E-02	6.35E-02	6.35E-02	6.35E-02	6.35E-02	6.35E-02	6.35E-02	6.34E-02	6.24E-02	1.06E-02	
AM241	2.15E+01	2.29E+01	2.43E+01	2.79E+01	3.29E+01	3.97E+01	4.66E+01	4.54E+01	1.08E+01	1.58E-05	0.00E+00	
AM242M	1.71E-01	1.70E-01	1.69E-01	1.67E-01	1.63E-01	1.56E-01	1.36E-01	1.08E-01	1.79E-03	2.71E-21	0.00E+00	
AM242	1.70E-01	1.69E-01	1.68E-01	1.66E-01	1.62E-01	1.55E-01	1.35E-01	1.08E-01	1.78E-03	2.70E-21	0.00E+00	
AM243	9.88E-01	9.88E-01	9.88E-01	9.88E-01	9.87E-01	9.86E-01	9.83E-01	9.79E-01	8.99E-01	3.86E-01	3.95E-10	
CM242	0.00E+00	1.10E-01	1.33E-01	1.37E-01	1.34E-01	1.28E-01	1.12E-01	8.90E-02	1.47E-03	2.24E-21	0.00E+00	
CF249	5.23E-04	5.23E-04	5.22E-04	5.19E-04	5.14E-04	5.04E-04	4.75E-04	4.30E-04	7.26E-05	1.36E-12	0.00E+00	
CF250	3.46E-03	3.28E-03	3.11E-03	2.65E-03	2.03E-03	1.20E-03	2.44E-04	1.73E-05	6.33E-26	2.93E-26	2.21E-43	
Summe	1.01E+03	9.66E+02	9.26E+02	8.14E+02	6.61E+02	4.45E+02	1.72E+02	8.49E+01	2.24E+01	5.75E+00	1.33E-01	

DWR mit UO₂/MOX-Brennstoff (70/30), 5.Rezyklierung, WA-Zeitpunkt 7A / FKS
 Wärmeleistung der Aktinidennuklide [W/TSM]

	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
TL208	0.00E+00	3.62E-07	6.32E-07	1.08E-06	1.30E-06	1.27E-06	9.58E-07	5.92E-07	1.03E-10	6.45E-12	1.19E-09
BI212	0.00E+00	7.29E-07	1.27E-06	2.18E-06	2.62E-06	2.56E-06	1.93E-06	1.19E-06	2.07E-10	1.30E-11	2.39E-09
PO212	0.00E+00	1.46E-06	2.54E-06	4.36E-06	5.24E-06	5.12E-06	3.86E-06	2.38E-06	4.14E-10	2.60E-11	4.78E-09
PO216	0.00E+00	1.70E-06	2.96E-06	5.07E-06	6.10E-06	5.95E-06	4.49E-06	2.77E-06	4.81E-10	3.02E-11	5.56E-09
RN220	0.00E+00	1.63E-06	2.84E-06	4.87E-06	5.85E-06	5.71E-06	4.31E-06	2.66E-06	4.62E-10	2.90E-11	5.34E-09
RA224	0.00E+00	1.47E-06	2.57E-06	4.40E-06	5.29E-06	5.16E-06	3.89E-06	2.40E-06	4.17E-10	2.62E-11	4.82E-09
TH228	0.00E+00	1.40E-06	2.44E-06	4.19E-06	5.04E-06	4.92E-06	3.71E-06	2.29E-06	3.98E-10	2.50E-11	4.60E-09
PA233	0.00E+00	1.63E-08	3.37E-08	9.14E-08	2.04E-07	4.73E-07	1.45E-06	3.16E-06	1.91E-05	2.40E-05	1.74E-05
PA234M	0.00E+00	4.61E-06	4.61E-06	4.61E-06	4.61E-06	4.61E-06	4.61E-06	4.61E-06	4.61E-06	4.61E-06	4.64E-06
U 232	4.40E-06	4.63E-06	4.80E-06	5.07E-06	5.09E-06	4.72E-06	3.54E-06	2.19E-06	3.78E-10	0.00E+00	0.00E+00
U 234	7.83E-05	8.17E-05	8.51E-05	9.51E-05	1.11E-04	1.42E-04	2.20E-04	3.15E-04	5.13E-04	5.01E-04	5.57E-05
U 235	1.14E-06	1.14E-06	1.15E-06	1.15E-06	1.15E-06	1.15E-06	1.15E-06	1.15E-06	1.22E-06	1.79E-06	3.92E-06
U 236	1.91E-05	1.91E-05	1.91E-05	1.91E-05	1.92E-05	1.92E-05	1.94E-05	1.97E-05	2.51E-05	5.80E-05	7.64E-05
U 238	2.36E-05	2.36E-05	2.36E-05	2.36E-05	2.36E-05	2.36E-05	2.36E-05	2.36E-05	2.36E-05	2.36E-05	2.37E-05
NP237	0.00E+00	2.12E-07	4.36E-07	1.18E-06	2.64E-06	6.12E-06	1.87E-05	4.09E-05	2.48E-04	3.11E-04	2.26E-04
NP238	0.00E+00	4.07E-06	4.05E-06	3.99E-06	3.90E-06	3.73E-06	3.25E-06	2.59E-06	4.28E-08	6.49E-26	0.00E+00
NP239	0.00E+00	2.39E-03	2.39E-03	2.39E-03	2.39E-03	2.38E-03	2.38E-03	2.37E-03	2.17E-03	9.34E-04	9.54E-13
PU238	1.39E+00	1.38E+00	1.37E+00	1.34E+00	1.29E+00	1.19E+00	9.40E-01	6.34E-01	5.68E-04	1.76E-22	0.00E+00
PU239	8.17E-02	8.17E-02	8.17E-02	8.17E-02	8.17E-02	8.16E-02	8.16E-02	8.15E-02	8.02E-02	6.61E-02	1.23E-11
PU240	2.46E-01	2.46E-01	2.46E-01	2.45E-01	2.45E-01	2.45E-01	2.44E-01	2.43E-01	2.21E-01	8.51E-02	4.61E-10
PU241	2.87E-02	2.74E-02	2.61E-02	2.26E-02	1.78E-02	1.10E-02	2.59E-03	2.34E-04	5.45E-10	3.08E-10	0.00E+00
PU242	1.88E-03	1.88E-03	1.88E-03	1.88E-03	1.88E-03	1.88E-03	1.88E-03	1.88E-03	1.87E-03	1.84E-03	3.13E-04
AM241	7.18E-01	7.66E-01	8.11E-01	9.34E-01	1.10E+00	1.33E+00	1.56E+00	1.52E+00	3.61E-01	5.29E-07	0.00E+00
AM242M	6.73E-05	6.70E-05	6.67E-05	6.58E-05	6.43E-05	6.15E-05	5.36E-05	4.27E-05	7.05E-07	1.07E-24	0.00E+00
AM242	1.97E-04	1.96E-04	1.95E-04	1.93E-04	1.88E-04	1.80E-04	1.57E-04	1.25E-04	2.07E-06	3.13E-24	0.00E+00
AM243	3.19E-02	3.19E-02	3.18E-02	3.18E-02	3.18E-02	3.18E-02	3.17E-02	3.16E-02	2.90E-02	1.25E-02	1.27E-11
CM242	0.00E+00	4.06E-03	4.90E-03	5.06E-03	4.94E-03	4.72E-03	4.12E-03	3.28E-03	5.42E-05	8.24E-23	0.00E+00
CF249	1.95E-05	1.95E-05	1.95E-05	1.94E-05	1.92E-05	1.88E-05	1.77E-05	1.61E-05	2.71E-06	5.06E-14	0.00E+00
CF250	1.28E-04	1.22E-04	1.15E-04	9.85E-05	7.56E-05	4.45E-05	9.08E-06	6.42E-07	2.35E-27	1.09E-27	8.19E-45
CF251	2.62E-07	2.62E-07	2.62E-07	2.61E-07	2.60E-07	2.58E-07	2.52E-07	2.43E-07	1.21E-07	1.17E-10	0.00E+00
Summe	2.50E+00	2.54E+00	2.58E+00	2.66E+00	2.77E+00	2.89E+00	2.87E+00	2.52E+00	6.96E-01	1.68E-01	3.18E-03

DWR mit UO₂/MOX-Brennstoff (70/30), 5.Rezyklierung, WA-Zeitpunkt 7A / FKS
Radioaktivität der Spaltprodukt nuklide [Ci/TSM]

		ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
		0	1	2	5	10	20	50	100	1000	10000	1000000
H	3	4.36E+02	4.13E+02	3.90E+02	3.30E+02	2.49E+02	1.42E+02	2.64E+01	1.59E+00	0.00E+00	0.00E+00	0.00E+00
C	14	1.88E-02	1.88E-02	1.88E-02	1.88E-02	1.87E-02	1.87E-02	1.87E-02	1.85E-02	1.66E-02	5.60E-03	0.00E+00
SE	79	1.75E-01	1.75E-01	1.75E-01	1.75E-01	1.75E-01	1.75E-01	1.75E-01	1.75E-01	1.73E-01	1.57E-01	4.07E-06
ZR	93	6.96E-01	6.96E-01	6.96E-01	6.96E-01	6.96E-01	6.96E-01	6.96E-01	6.96E-01	6.96E-01	6.93E-01	4.43E-01
NB	93M	6.35E-01	6.37E-01	6.38E-01	6.41E-01	6.46E-01	6.52E-01	6.59E-01	6.61E-01	6.61E-01	6.58E-01	4.20E-01
NB	94	2.50E-04	2.49E-04	2.49E-04	2.49E-04	2.49E-04	2.49E-04	2.49E-04	2.49E-04	2.41E-04	1.77E-04	3.73E-19
NB	95M	1.13E-08	7.96E-11	1.52E-12	1.07E-17	2.74E-26	1.81E-43	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TC	99	3.08E+00	3.08E+00	3.08E+00	3.08E+00	3.08E+00	3.08E+00	3.08E+00	3.08E+00	3.07E+00	2.98E+00	1.19E-01
RU	106	3.57E+03	1.79E+03	9.02E+02	1.15E+02	3.69E+00	3.77E-03	4.16E-12	4.90E-27	0.00E+00	0.00E+00	0.00E+00
RH	106	2.97E+03	1.79E+03	9.02E+02	1.15E+02	3.69E+00	3.81E-03	4.16E-12	4.90E-27	0.00E+00	0.00E+00	0.00E+00
PD	107	3.27E-02	3.27E-02	3.27E-02	3.27E-02	3.27E-02	3.27E-02	3.27E-02	3.27E-02	3.27E-02	3.27E-02	2.94E-02
AG	108	3.88E-06	3.86E-06	3.84E-06	3.77E-06	3.67E-06	3.48E-06	2.95E-06	2.25E-06	1.66E-08	7.80E-30	0.00E+00
AG	108M	4.36E-05	4.33E-05	4.31E-05	4.24E-05	4.13E-05	3.91E-05	3.32E-05	2.52E-05	1.86E-07	8.76E-29	0.00E+00
AG	109M	4.71E-07	5.75E-08	3.33E-08	6.49E-09	4.24E-10	1.81E-12	1.42E-19	2.02E-31	0.00E+00	0.00E+00	0.00E+00
AG	110	6.05E-02	2.20E-02	7.98E-03	3.82E-04	2.42E-06	9.64E-11	6.12E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00
AG	110M	4.55E+00	1.65E+00	6.00E-01	2.87E-02	1.82E-04	7.25E-09	4.60E-22	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CD	109	9.92E-08	5.75E-08	3.33E-08	6.49E-09	4.24E-10	1.81E-12	1.42E-19	2.02E-31	0.00E+00	0.00E+00	0.00E+00
CD	113M	8.33E+00	7.95E+00	7.58E+00	6.57E+00	5.18E+00	3.22E+00	7.75E-01	7.21E-02	1.96E-20	0.00E+00	0.00E+00
SN	119M	9.11E-02	3.24E-02	1.15E-02	5.21E-04	2.97E-06	9.70E-11	3.37E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SN	121M	1.74E-01	1.72E-01	1.69E-01	1.63E-01	1.52E-01	1.32E-01	8.71E-02	4.35E-02	1.65E-07	0.00E+00	0.00E+00
SN	123	2.24E-03	3.15E-04	4.44E-05	1.25E-07	6.94E-12	2.14E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SN	126	6.22E-01	6.22E-01	6.22E-01	6.22E-01	6.22E-01	6.22E-01	6.22E-01	6.21E-01	6.18E-01	5.80E-01	6.21E-04
SB	124	1.75E-10	2.60E-12	3.89E-14	1.29E-19	9.57E-29	5.25E-47	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SB	125	2.12E+03	1.65E+03	1.28E+03	6.04E+02	1.72E+02	1.40E+01	7.49E-03	2.65E-08	0.00E+00	0.00E+00	0.00E+00
SB	126	1.03E-01	8.71E-02	8.71E-02	8.71E-02	8.71E-02	8.71E-02	8.70E-02	8.70E-02	8.65E-02	8.12E-02	8.69E-05
SB	126M	7.38E-01	6.22E-01	6.22E-01	6.22E-01	6.22E-01	6.22E-01	6.22E-01	6.21E-01	6.18E-01	5.80E-01	6.21E-04
TE	123M	2.15E-06	2.59E-07	3.12E-08	5.48E-11	1.40E-15	9.14E-25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TE	125M	2.18E+02	3.98E+02	3.13E+02	1.47E+02	4.20E+01	3.41E+00	1.83E-03	6.47E-09	0.00E+00	0.00E+00	0.00E+00
TE	127	5.49E-04	5.38E-05	5.28E-06	4.98E-09	4.52E-14	3.72E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TE	127M	5.60E-04	5.50E-05	5.39E-06	5.09E-09	4.61E-14	3.80E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Summe		9.47E+03	6.06E+03	3.80E+03	1.32E+03	4.82E+02	1.69E+02	3.32E+01	7.70E+00	5.97E+00	5.77E+00	1.01E+00

DWR mit UO ₂ /MOX-Brennstoff (70/30), 5.Rezyklierung, WA-Zeitpunkt 7A / FKS												
Wärmeleistung der Spaltprodukt nuklide [W/TSM]												
ZEITEN NACH DER WIEDERAUFARBEITUNG [A]												
		0	1	2	5	10	20	50	100	1000	10000	100000
H 3		1.47E-02	1.39E-02	1.32E-02	1.11E-02	8.41E-03	4.80E-03	8.91E-04	5.39E-05	0.00E+00	0.00E+00	0.00E+00
C 14		5.51E-06	5.51E-06	5.50E-06	5.50E-06	5.50E-06	5.49E-06	5.47E-06	5.44E-06	4.88E-06	1.64E-06	0.00E+00
SE 79		4.35E-05	4.35E-05	4.35E-05	4.35E-05	4.35E-05	4.35E-05	4.35E-05	4.35E-05	4.31E-05	3.91E-05	1.01E-09
ZR 93		8.09E-05	8.09E-05	8.09E-05	8.09E-05	8.09E-05	8.09E-05	8.09E-05	8.09E-05	8.08E-05	8.05E-05	5.14E-05
ZR 95		2.84E-09	5.43E-11	1.04E-12	7.29E-18	1.87E-26	1.23E-43	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NB 93M		1.13E-04	1.13E-04	1.13E-04	1.14E-04	1.14E-04	1.16E-04	1.17E-04	1.17E-04	1.17E-04	1.17E-04	7.45E-05
NB 94		2.54E-06	2.54E-06	2.54E-06	2.54E-06	2.54E-06	2.54E-06	2.54E-06	2.53E-06	2.46E-06	1.81E-06	3.80E-21
NB 95		1.68E-08	1.26E-10	2.27E-12	1.53E-17	3.94E-26	2.60E-43	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TC 99		1.54E-03	1.54E-03	1.54E-03	1.54E-03	1.54E-03	1.54E-03	1.54E-03	1.54E-03	1.54E-03	1.49E-03	5.96E-05
RU106		2.12E-01	1.06E-01	5.35E-02	6.80E-03	2.19E-04	2.23E-07	2.46E-16	2.90E-31	0.00E+00	0.00E+00	0.00E+00
RH106		2.85E+01	1.72E+01	8.66E+00	1.10E+00	3.54E-02	3.66E-05	3.99E-14	4.70E-29	0.00E+00	0.00E+00	0.00E+00
PD107		1.94E-06	1.94E-06	1.94E-06	1.94E-06	1.94E-06	1.94E-06	1.94E-06	1.94E-06	1.94E-06	1.94E-06	1.74E-06
AG108		1.44E-08	1.44E-08	1.43E-08	1.41E-08	1.37E-08	1.30E-08	1.10E-08	8.37E-09	6.17E-11	2.91E-32	0.00E+00
AG108M		4.24E-07	4.22E-07	4.19E-07	4.12E-07	4.01E-07	3.80E-07	3.23E-07	2.46E-07	1.81E-09	8.53E-31	0.00E+00
AG109M		2.43E-10	2.96E-11	1.72E-11	3.34E-12	2.19E-13	9.36E-16	7.31E-23	1.04E-34	0.00E+00	0.00E+00	0.00E+00
AG110		4.35E-04	1.58E-04	5.73E-05	2.75E-06	1.74E-08	6.93E-13	4.40E-26	0.00E+00	0.00E+00	0.00E+00	0.00E+00
AG110M		7.60E-02	2.76E-02	1.00E-02	4.80E-04	3.03E-06	1.21E-10	7.69E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CD109		6.31E-11	3.66E-11	2.12E-11	4.13E-12	2.70E-13	1.16E-15	9.03E-23	1.29E-34	0.00E+00	0.00E+00	0.00E+00
CD113M		1.40E-02	1.34E-02	1.28E-02	1.11E-02	8.72E-03	5.43E-03	1.30E-03	1.21E-04	3.30E-23	0.00E+00	0.00E+00
SN119M		4.71E-05	1.68E-05	5.97E-06	2.69E-07	1.54E-09	5.02E-14	1.74E-27	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SN121M		3.49E-04	3.44E-04	3.40E-04	3.26E-04	3.04E-04	2.65E-04	1.74E-04	8.72E-05	3.31E-10	0.00E+00	0.00E+00
SN123		6.99E-06	9.85E-07	1.39E-07	3.90E-10	2.17E-14	6.69E-23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SN126		7.76E-04	7.76E-04	7.76E-04	7.76E-04	7.76E-04	7.76E-04	7.75E-04	7.75E-04	7.70E-04	7.24E-04	7.74E-07
SB125		6.62E+00	5.15E+00	4.01E+00	1.89E+00	5.38E-01	4.37E-02	2.34E-05	8.28E-11	0.00E+00	0.00E+00	0.00E+00
SB126		1.91E-03	1.61E-03	1.61E-03	1.61E-03	1.61E-03	1.61E-03	1.61E-03	1.61E-03	1.60E-03	1.50E-03	1.61E-06
SB126M		9.40E-03	7.92E-03	7.92E-03	7.92E-03	7.92E-03	7.92E-03	7.92E-03	7.91E-03	7.86E-03	7.39E-03	7.91E-06
TE123M		3.13E-09	3.77E-10	4.55E-11	7.99E-14	2.04E-18	1.33E-27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TE125M		1.83E-01	3.35E-01	2.63E-01	1.24E-01	3.53E-02	2.87E-03	1.54E-06	5.43E-12	0.00E+00	0.00E+00	0.00E+00
TE127		7.41E-07	7.27E-08	7.13E-09	6.73E-12	6.10E-17	5.02E-27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TE127M		3.01E-07	2.96E-08	2.90E-09	2.73E-12	2.48E-17	2.04E-27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Summe		3.64E+01	2.29E+01	1.30E+01	3.15E+00	6.38E-01	6.92E-02	1.45E-02	1.24E-02	1.20E-02	1.13E-02	1.98E-04

DWR mit UO₂/MOX-Brennstoff (70/30), 5.Rezyklierung, WA-Zeitpunkt 7A / Brennelementfertigung
 Konzentrationen der Aktinidenelemente [G/TSM]

	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
HE	5.21E+00	5.21E+00	5.21E+00	5.21E+00	5.22E+00	5.23E+00	5.27E+00	5.32E+00	5.78E+00	7.01E+00	1.12E+01
TL	0.00E+00	3.41E-13	5.83E-13	9.54E-13	1.10E-12	1.04E-12	7.85E-13	4.87E-13	3.06E-14	3.15E-13	3.19E-12
PB	0.00E+00	5.90E-08	2.14E-07	1.01E-06	2.75E-06	6.32E-06	1.53E-05	2.56E-05	5.53E-05	6.21E-03	8.79E+00
BI	0.00E+00	1.91E-11	3.27E-11	5.41E-11	6.42E-11	6.96E-11	1.14E-10	3.17E-10	1.42E-07	2.90E-04	4.14E+00
PO	0.00E+00	8.29E-16	1.70E-15	9.54E-15	8.08E-14	6.07E-13	8.55E-12	5.92E-11	1.87E-08	7.96E-07	2.34E-06
AT	0.00E+00	8.60E-23	1.72E-22	4.30E-22	8.60E-22	1.72E-21	4.34E-21	9.14E-21	7.48E-19	1.30E-16	7.18E-15
RN	0.00E+00	3.03E-13	5.19E-13	8.54E-13	9.99E-13	1.03E-12	1.40E-12	3.68E-12	5.47E-10	2.33E-08	6.84E-08
FR	0.00E+00	8.14E-19	1.69E-18	4.70E-18	1.08E-17	2.66E-17	9.21E-17	2.30E-16	8.90E-15	1.20E-12	6.54E-11
RA	0.00E+00	1.79E-09	3.15E-09	5.83E-09	9.40E-09	2.11E-08	1.14E-07	5.09E-07	8.51E-05	3.62E-03	1.06E-02
AC	0.00E+00	1.27E-12	5.03E-12	3.05E-11	1.16E-10	4.19E-10	2.01E-09	5.62E-09	8.05E-08	8.06E-07	6.98E-06
TH	0.00E+00	1.09E-05	2.15E-05	5.38E-05	1.10E-04	2.29E-04	6.51E-04	1.52E-03	2.52E-02	2.59E-01	4.98E+00
PA	0.00E+00	1.23E-07	2.47E-07	6.18E-07	1.24E-06	2.47E-06	6.20E-06	1.24E-05	1.24E-04	1.23E-03	1.04E-02
U	1.87E+04	1.87E+04	1.87E+04	1.87E+04	1.87E+04	1.87E+04	1.87E+04	1.87E+04	1.87E+04	1.88E+04	1.89E+04
NP	0.00E+00	8.36E-04	3.24E-03	1.91E-02	7.04E-02	2.43E-01	1.03E+00	2.54E+00	1.69E+01	2.13E+01	1.55E+01
PU	2.52E+02	2.51E+02	2.50E+02	2.47E+02	2.43E+02	2.37E+02	2.30E+02	2.26E+02	2.13E+02	1.44E+02	6.66E+00
AM	0.00E+00	1.02E+00	1.99E+00	4.62E+00	8.22E+00	1.32E+01	1.87E+01	1.90E+01	4.52E+00	2.45E-06	0.00E+00
Summe	1.90E+04	1.90E+04	1.90E+04	1.90E+04	1.90E+04	1.90E+04	1.90E+04	1.90E+04	1.90E+04	1.90E+04	1.90E+04

DWR mit UO ₂ /MOX-Brennstoff (70/30), 5.Rezyklierung, WA-Zeitpunkt 7A / Brennelementfertigung											
Radioaktivität der Aktinidennuklide [Ci/TSM]											
	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
TL208	0.00E+00	1.00E-04	1.72E-04	2.81E-04	3.23E-04	3.07E-04	2.31E-04	1.43E-04	2.48E-08	1.19E-09	1.74E-07
PB212	0.00E+00	2.80E-04	4.78E-04	7.83E-04	9.00E-04	8.56E-04	6.43E-04	3.98E-04	6.90E-08	3.32E-09	4.84E-07
BI212	0.00E+00	2.80E-04	4.78E-04	7.83E-04	9.00E-04	8.56E-04	6.43E-04	3.98E-04	6.90E-08	3.32E-09	4.84E-07
PO212	0.00E+00	1.79E-04	3.07E-04	5.02E-04	5.77E-04	5.49E-04	4.12E-04	2.55E-04	4.42E-08	2.13E-09	3.10E-07
PO216	0.00E+00	2.80E-04	4.78E-04	7.83E-04	9.00E-04	8.56E-04	6.43E-04	3.98E-04	6.90E-08	3.32E-09	4.84E-07
RN220	0.00E+00	2.80E-04	4.78E-04	7.83E-04	9.00E-04	8.56E-04	6.43E-04	3.98E-04	6.90E-08	3.32E-09	4.84E-07
RA224	0.00E+00	2.80E-04	4.78E-04	7.83E-04	9.00E-04	8.56E-04	6.43E-04	3.98E-04	6.90E-08	3.32E-09	4.84E-07
TH227	0.00E+00	9.04E-11	3.59E-10	2.17E-09	8.26E-09	2.99E-08	1.43E-07	4.01E-07	5.74E-06	5.72E-05	4.83E-04
TH228	0.00E+00	2.80E-04	4.77E-04	7.82E-04	8.99E-04	8.56E-04	6.43E-04	3.98E-04	6.90E-08	3.32E-09	4.84E-07
TH230	0.00E+00	1.65E-07	3.32E-07	8.48E-07	1.76E-06	3.75E-06	1.10E-05	2.64E-05	4.64E-04	4.60E-03	1.05E-02
TH231	0.00E+00	2.75E-04	2.75E-04	2.75E-04	2.75E-04	2.75E-04	2.76E-04	2.76E-04	2.81E-04	3.29E-04	4.90E-04
TH234	0.00E+00	6.22E-03	6.22E-03	6.22E-03	6.22E-03	6.22E-03	6.22E-03	6.22E-03	6.22E-03	6.22E-03	6.23E-03
PA231	0.00E+00	5.82E-09	1.17E-08	2.92E-08	5.83E-08	1.17E-07	2.91E-07	5.82E-07	5.82E-06	5.80E-05	4.90E-04
PA233	0.00E+00	5.89E-07	2.28E-06	1.35E-05	4.97E-05	1.71E-04	7.28E-04	1.79E-03	1.19E-02	1.50E-02	1.09E-02
PA234M	0.00E+00	6.22E-03	6.22E-03	6.22E-03	6.22E-03	6.22E-03	6.22E-03	6.22E-03	6.22E-03	6.22E-03	6.23E-03
PA234	0.00E+00	8.09E-06	8.09E-06	8.09E-06	8.09E-06	8.09E-06	8.09E-06	8.09E-06	8.09E-06	8.09E-06	8.11E-06
U 232	9.14E-04	9.26E-04	9.33E-04	9.36E-04	9.12E-04	8.35E-04	6.26E-04	3.87E-04	6.69E-08	0.00E+00	0.00E+00
U 233	1.47E-06	1.47E-06	1.47E-06	1.47E-06	1.47E-06	1.47E-06	1.53E-06	1.80E-06	3.34E-05	6.12E-04	1.16E-02
U 234	1.81E-02	1.84E-02	1.87E-02	1.95E-02	2.09E-02	2.34E-02	2.99E-02	3.79E-02	5.42E-02	5.30E-02	9.06E-03
U 235	2.75E-04	2.75E-04	2.75E-04	2.75E-04	2.75E-04	2.75E-04	2.76E-04	2.76E-04	2.81E-04	3.29E-04	4.90E-04
U 236	4.70E-03	4.70E-03	4.70E-03	4.70E-03	4.70E-03	4.71E-03	4.73E-03	4.75E-03	5.23E-03	8.15E-03	9.69E-03
U 237	9.34E-02	5.34E-02	5.09E-02	4.40E-02	3.46E-02	2.14E-02	5.05E-03	4.55E-04	7.03E-23	8.51E-51	0.00E+00
U 238	6.22E-03	6.22E-03	6.22E-03	6.22E-03	6.22E-03	6.22E-03	6.22E-03	6.22E-03	6.22E-03	6.22E-03	6.23E-03
NP237	0.00E+00	5.89E-07	2.28E-06	1.35E-05	4.97E-05	1.71E-04	7.28E-04	1.79E-03	1.19E-02	1.50E-02	1.09E-02
PU238	1.01E+02	1.00E+02	9.92E+01	9.69E+01	9.32E+01	8.61E+01	6.79E+01	4.58E+01	3.75E-02	0.00E+00	0.00E+00
PU239	6.31E+00	6.31E+00	6.31E+00	6.31E+00	6.30E+00	6.30E+00	6.30E+00	6.29E+00	6.13E+00	4.73E+00	1.96E-12
PU240	1.89E+01	1.89E+01	1.89E+01	1.89E+01	1.89E+01	1.89E+01	1.88E+01	1.87E+01	1.70E+01	6.55E+00	3.55E-08
PU241	2.24E+03	2.13E+03	2.03E+03	1.76E+03	1.38E+03	8.55E+02	2.02E+02	1.82E+01	2.81E-18	3.40E-46	0.00E+00
PU242	1.52E-01	1.52E-01	1.52E-01	1.52E-01	1.52E-01	1.52E-01	1.52E-01	1.52E-01	1.52E-01	1.50E-01	2.54E-02
AM241	0.00E+00	3.50E+00	6.83E+00	1.59E+01	2.82E+01	4.52E+01	6.42E+01	6.51E+01	1.55E+01	8.40E-06	0.00E+00
Summe	2.36E+03	2.26E+03	2.16E+03	1.90E+03	1.53E+03	1.01E+03	3.59E+02	1.54E+02	3.90E+01	1.16E+01	2.99E-01

DWR mit UO₂/MOX-Brennstoff (70/30), 5.Rezyklierung, WA-Zeitpunkt 7A / Brennelementfertigung
 Wärmeleistung der Aktinidennuklide [W/TSM]

	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
TL208	0.00E+00	2.36E-06	4.04E-06	6.61E-06	7.60E-06	7.23E-06	5.44E-06	3.36E-06	5.83E-10	2.80E-11	4.08E-09
PB212	0.00E+00	5.33E-07	9.11E-07	1.49E-06	1.71E-06	1.63E-06	1.23E-06	7.57E-07	1.31E-10	6.31E-12	9.21E-10
BI212	0.00E+00	4.76E-06	8.13E-06	1.33E-05	1.53E-05	1.46E-05	1.09E-05	6.76E-06	1.17E-09	5.64E-11	8.22E-09
PO212	0.00E+00	9.52E-06	1.63E-05	2.66E-05	3.06E-05	2.91E-05	2.19E-05	1.35E-05	2.35E-09	1.13E-10	1.64E-08
PO216	0.00E+00	1.11E-05	1.89E-05	3.10E-05	3.56E-05	3.39E-05	2.55E-05	1.57E-05	2.73E-09	1.31E-10	1.91E-08
RN220	0.00E+00	1.06E-05	1.82E-05	2.97E-05	3.42E-05	3.25E-05	2.44E-05	1.51E-05	2.62E-09	1.26E-10	1.84E-08
RN222	0.00E+00	1.18E-12	4.73E-12	3.00E-11	1.23E-10	5.14E-10	3.60E-09	1.66E-08	2.79E-06	1.19E-04	3.49E-04
RA224	0.00E+00	9.60E-06	1.64E-05	2.69E-05	3.09E-05	2.94E-05	2.21E-05	1.36E-05	2.37E-09	1.14E-10	1.66E-08
TH228	0.00E+00	9.15E-06	1.56E-05	2.56E-05	2.94E-05	2.80E-05	2.11E-05	1.30E-05	2.26E-09	1.09E-10	1.58E-08
TH230	0.00E+00	4.65E-09	9.38E-09	2.40E-08	4.97E-08	1.06E-07	3.11E-07	7.45E-07	1.31E-05	1.30E-04	2.98E-04
TH231	0.00E+00	1.54E-07	1.54E-07	1.54E-07	1.55E-07	1.55E-07	1.55E-07	1.55E-07	1.58E-07	1.85E-07	2.75E-07
TH234	0.00E+00	2.52E-06	2.52E-06	2.52E-06	2.52E-06	2.52E-06	2.52E-06	2.52E-06	2.52E-06	2.52E-06	2.53E-06
PA231	0.00E+00	1.78E-10	3.56E-10	8.90E-10	1.78E-09	3.56E-09	8.88E-09	1.78E-08	1.78E-07	1.77E-06	1.50E-05
PA233	0.00E+00	1.34E-09	5.18E-09	3.06E-08	1.13E-07	3.88E-07	1.65E-06	4.07E-06	2.71E-05	3.41E-05	2.47E-05
PA234M	0.00E+00	3.08E-05	3.08E-05	3.08E-05	3.08E-05	3.08E-05	3.08E-05	3.08E-05	3.08E-05	3.08E-05	3.08E-05
PA234	0.00E+00	1.16E-07	1.16E-07	1.16E-07	1.16E-07	1.16E-07	1.16E-07	1.16E-07	1.16E-07	1.16E-07	1.16E-07
U 232	2.93E-05	2.97E-05	2.99E-05	3.00E-05	2.93E-05	2.68E-05	2.01E-05	1.24E-05	2.15E-09	0.00E+00	0.00E+00
U 233	4.27E-08	4.27E-08	4.27E-08	4.27E-08	4.27E-08	4.28E-08	4.45E-08	5.25E-08	9.71E-07	1.78E-05	3.37E-04
U 234	5.22E-04	5.30E-04	5.38E-04	5.62E-04	6.01E-04	6.74E-04	8.62E-04	1.09E-03	1.56E-03	1.53E-03	2.61E-04
U 235	7.63E-06	7.63E-06	7.63E-06	7.63E-06	7.63E-06	7.64E-06	7.64E-06	7.65E-06	7.80E-06	9.13E-06	1.36E-05
U 236	1.27E-04	1.27E-04	1.27E-04	1.27E-04	1.27E-04	1.28E-04	1.28E-04	1.29E-04	1.42E-04	2.21E-04	2.63E-04
U 237	1.77E-04	1.01E-04	9.63E-05	8.33E-05	6.55E-05	4.05E-05	9.56E-06	8.61E-07	1.33E-25	1.61E-53	0.00E+00
U 238	1.58E-04	1.58E-04	1.58E-04	1.58E-04	1.58E-04	1.58E-04	1.58E-04	1.58E-04	1.58E-04	1.58E-04	1.58E-04
NP237	0.00E+00	1.73E-08	6.71E-08	3.96E-07	1.46E-06	5.03E-06	2.14E-05	5.27E-05	3.50E-04	4.41E-04	3.20E-04
PU238	3.34E+00	3.32E+00	3.29E+00	3.21E+00	3.09E+00	2.85E+00	2.25E+00	1.52E+00	1.24E-03	0.00E+00	0.00E+00
PU239	1.96E-01	1.96E-01	1.96E-01	1.96E-01	1.96E-01	1.96E-01	1.96E-01	1.95E-01	1.90E-01	1.47E-01	6.11E-14
PU240	5.89E-01	5.89E-01	5.89E-01	5.89E-01	5.89E-01	5.88E-01	5.86E-01	5.83E-01	5.30E-01	2.04E-01	1.11E-09
PU241	6.90E-02	6.57E-02	6.27E-02	5.42E-02	4.26E-02	2.63E-02	6.22E-03	5.61E-04	8.66E-23	1.05E-50	0.00E+00
PU242	4.50E-03	4.50E-03	4.50E-03	4.50E-03	4.50E-03	4.50E-03	4.50E-03	4.50E-03	4.50E-03	4.42E-03	7.51E-04
AM241	0.00E+00	1.17E-01	2.28E-01	5.31E-01	9.44E-01	1.51E+00	2.15E+00	2.17E+00	5.19E-01	2.81E-07	0.00E+00
Summe	4.20E+00	4.29E+00	4.37E+00	4.59E+00	4.87E+00	5.18E+00	5.19E+00	4.48E+00	1.25E+00	3.59E-01	6.97E-03

DWR mit UO₂/MOX-Brennstoff (70/30), 5.Rezyklierung, WA-Zeitpunkt 7A / Summe der Abfallströme
Radioaktivität der Aktinidennuklide [Ci/TSM]

	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
RA224	3.68E-02	2.61E-02	1.85E-02	7.09E-03	2.21E-03	1.20E-03	8.84E-04	5.47E-04	3.71E-07	2.83E-07	1.87E-06
TH228	3.67E-02	2.59E-02	1.84E-02	7.05E-03	2.21E-03	1.20E-03	8.84E-04	5.47E-04	3.71E-07	2.83E-07	1.87E-06
TH231	1.38E-02	3.62E-04	3.62E-04	3.62E-04	3.62E-04	3.62E-04	3.62E-04	3.63E-04	3.76E-04	6.02E-04	2.26E-03
TH234	3.11E-01	8.19E-03	8.19E-03	8.19E-03	8.19E-03	8.19E-03	8.19E-03	8.19E-03	8.19E-03	8.19E-03	8.21E-03
PA233	3.26E-01	3.27E-01	3.28E-01	3.31E-01	3.36E-01	3.46E-01	3.75E-01	4.21E-01	8.45E-01	9.83E-01	7.20E-01
PA234M	3.11E-01	8.19E-03	8.19E-03	8.19E-03	8.19E-03	8.19E-03	8.19E-03	8.19E-03	8.19E-03	8.19E-03	8.21E-03
U 232	1.20E-03	1.23E-03	1.25E-03	1.27E-03	1.25E-03	1.15E-03	8.61E-04	5.32E-04	3.68E-07	2.74E-07	1.61E-07
U 234	2.38E-02	2.44E-02	2.49E-02	2.65E-02	2.91E-02	3.41E-02	4.69E-02	6.32E-02	1.05E-01	1.03E-01	1.39E-02
U 235	3.62E-04	3.62E-04	3.62E-04	3.62E-04	3.62E-04	3.62E-04	3.62E-04	3.63E-04	3.76E-04	6.02E-04	2.26E-03
U 236	6.18E-03	6.18E-03	6.18E-03	6.19E-03	6.19E-03	6.21E-03	6.29E-03	6.44E-03	9.07E-03	2.52E-02	3.43E-02
U 237	1.23E-01	1.02E-01	9.75E-02	8.44E-02	6.64E-02	4.11E-02	9.80E-03	9.98E-04	1.18E-04	5.66E-05	0.00E+00
U 238	8.19E-03	8.19E-03	8.19E-03	8.19E-03	8.19E-03	8.19E-03	8.19E-03	8.19E-03	8.19E-03	8.19E-03	8.21E-03
NP237	3.26E-01	3.27E-01	3.28E-01	3.31E-01	3.36E-01	3.46E-01	3.75E-01	4.21E-01	8.45E-01	9.83E-01	7.20E-01
NP238	1.22E-01	1.21E-01	1.21E-01	1.19E-01	1.16E-01	1.11E-01	9.70E-02	7.72E-02	1.28E-03	1.94E-21	0.00E+00
NP239	1.41E+02	1.41E+02	1.41E+02	1.41E+02	1.41E+02	1.41E+02	1.40E+02	1.40E+02	1.28E+02	5.52E+01	1.95E-05
PU238	1.93E+02	1.92E+02	1.91E+02	1.87E+02	1.80E+02	1.68E+02	1.36E+02	9.63E+01	2.90E-01	7.60E-19	0.00E+00
PU239	1.21E+01	1.21E+01	1.21E+01	1.21E+01	1.21E+01	1.22E+01	1.23E+01	1.26E+01	1.57E+01	3.15E+01	1.95E-05
PU240	3.63E+01	3.88E+01	4.13E+01	4.81E+01	5.79E+01	7.26E+01	9.40E+01	1.02E+02	9.41E+01	3.62E+01	1.97E-07
PU241	4.29E+03	4.09E+03	3.90E+03	3.37E+03	2.65E+03	1.64E+03	3.91E+02	3.99E+01	4.71E+00	2.26E+00	0.00E+00
PU242	2.92E-01	2.92E-01	2.92E-01	2.92E-01	2.92E-01	2.93E-01	2.93E-01	2.94E-01	3.05E-01	3.56E-01	6.40E-02
AM241	3.07E+03	3.07E+03	3.07E+03	3.08E+03	3.08E+03	3.06E+03	2.96E+03	2.74E+03	6.52E+02	2.26E+00	0.00E+00
AM242M	2.44E+01	2.43E+01	2.41E+01	2.38E+01	2.33E+01	2.22E+01	1.94E+01	1.54E+01	2.55E-01	3.87E-19	0.00E+00
AM242	2.42E+01	2.41E+01	2.40E+01	2.37E+01	2.32E+01	2.21E+01	1.93E+01	1.54E+01	2.54E-01	3.85E-19	0.00E+00
AM243	1.41E+02	1.41E+02	1.41E+02	1.41E+02	1.41E+02	1.41E+02	1.40E+02	1.40E+02	1.28E+02	5.52E+01	1.95E-05
CM242	2.35E+01	2.07E+01	2.01E+01	1.96E+01	1.92E+01	1.83E+01	1.60E+01	1.27E+01	2.10E-01	3.19E-19	0.00E+00
CM243	8.92E+01	8.70E+01	8.50E+01	7.90E+01	6.99E+01	5.48E+01	2.64E+01	7.84E+00	2.46E-09	0.00E+00	0.00E+00
CM244	2.46E+04	2.37E+04	2.28E+04	2.03E+04	1.68E+04	1.14E+04	3.63E+03	5.36E+02	5.92E-13	0.00E+00	0.00E+00
CM245	5.11E+00	5.11E+00	5.11E+00	5.10E+00	5.10E+00	5.10E+00	5.09E+00	5.06E+00	4.71E+00	2.26E+00	0.00E+00
CM246	7.25E+00	7.25E+00	7.25E+00	7.24E+00	7.24E+00	7.23E+00	7.20E+00	7.14E+00	6.26E+00	1.68E+00	2.44E-29
CF249	5.23E-04	5.23E-04	5.22E-04	5.19E-04	5.14E-04	5.04E-04	4.75E-04	4.30E-04	7.26E-05	1.36E-12	0.00E+00
Summe	3.27E+04	3.15E+04	3.05E+04	2.75E+04	2.32E+04	1.68E+04	7.60E+03	3.87E+03	1.04E+03	1.89E+02	8.65E+00

DWR mit UO ₂ /MOX-Brennstoff (70/30), 5.Rezyklierung, WA-Zeitpunkt 7A / Summe der Abfallströme											
Wärmeleistung der Aktinidennuklide [W/TSM]											
ZEITEN NACH DER WIEDERAUFARBEITUNG [A]											
	0	1	2	5	10	20	50	100	1000	10000	1000000
PO212	1.25E-03	8.87E-04	6.30E-04	2.41E-04	7.53E-05	4.09E-05	3.01E-05	1.86E-05	1.26E-08	9.63E-09	6.36E-08
PO216	1.46E-03	1.03E-03	7.33E-04	2.80E-04	8.76E-05	4.76E-05	3.50E-05	2.16E-05	1.47E-08	1.12E-08	7.40E-08
RN220	1.40E-03	9.89E-04	7.03E-04	2.69E-04	8.40E-05	4.56E-05	3.36E-05	2.08E-05	1.41E-08	1.07E-08	7.10E-08
RA224	1.26E-03	8.94E-04	6.36E-04	2.43E-04	7.59E-05	4.12E-05	3.03E-05	1.88E-05	1.27E-08	9.71E-09	6.42E-08
TH228	1.20E-03	8.48E-04	6.03E-04	2.31E-04	7.22E-05	3.93E-05	2.89E-05	1.79E-05	1.21E-08	9.26E-09	6.12E-08
PA233	7.40E-04	7.43E-04	7.45E-04	7.52E-04	7.63E-04	7.85E-04	8.52E-04	9.57E-04	1.92E-03	2.23E-03	1.63E-03
PA234M	1.54E-03	4.05E-05	4.05E-05	4.05E-05	4.05E-05	4.05E-05	4.05E-05	4.05E-05	4.05E-05	4.05E-05	4.06E-05
U 232	3.86E-05	3.95E-05	4.01E-05	4.08E-05	4.01E-05	3.68E-05	2.76E-05	1.71E-05	1.18E-08	8.81E-09	5.17E-09
U 234	6.87E-04	7.02E-04	7.18E-04	7.64E-04	8.39E-04	9.81E-04	1.35E-03	1.82E-03	3.03E-03	2.96E-03	4.01E-04
U 235	1.00E-05	1.00E-05	1.00E-05	1.00E-05	1.00E-05	1.00E-05	1.01E-05	1.01E-05	1.04E-05	1.67E-05	6.26E-05
U 236	1.67E-04	1.67E-04	1.67E-04	1.68E-04	1.68E-04	1.68E-04	1.70E-04	1.74E-04	2.46E-04	6.83E-04	9.30E-04
U 238	2.07E-04	2.07E-04	2.07E-04	2.07E-04	2.07E-04	2.07E-04	2.07E-04	2.07E-04	2.07E-04	2.07E-04	2.08E-04
NP237	9.58E-03	9.61E-03	9.64E-03	9.73E-03	9.88E-03	1.02E-02	1.10E-02	1.24E-02	2.48E-02	2.89E-02	2.12E-02
NP238	5.84E-04	5.81E-04	5.78E-04	5.70E-04	5.58E-04	5.33E-04	4.65E-04	3.70E-04	6.11E-06	9.27E-24	0.00E+00
NP239	3.41E-01	3.41E-01	3.41E-01	3.41E-01	3.41E-01	3.41E-01	3.40E-01	3.38E-01	3.11E-01	1.33E-01	4.72E-08
PU238	6.41E+00	6.36E+00	6.32E+00	6.18E+00	5.97E+00	5.56E+00	4.51E+00	3.19E+00	9.62E-03	2.52E-20	0.00E+00
PU239	3.76E-01	3.76E-01	3.76E-01	3.77E-01	3.78E-01	3.79E-01	3.84E-01	3.90E-01	4.87E-01	9.80E-01	6.07E-07
PU240	1.13E+00	1.21E+00	1.29E+00	1.50E+00	1.80E+00	2.26E+00	2.93E+00	3.18E+00	2.93E+00	1.13E+00	6.14E-09
PU241	1.32E-01	1.26E-01	1.20E-01	1.04E-01	8.18E-02	5.06E-02	1.21E-02	1.23E-03	1.45E-04	6.98E-05	0.00E+00
PU242	8.63E-03	8.63E-03	8.63E-03	8.64E-03	8.64E-03	8.64E-03	8.66E-03	8.69E-03	9.02E-03	1.05E-02	1.89E-03
AM241	1.03E+02	1.03E+02	1.03E+02	1.03E+02	1.03E+02	1.02E+02	9.88E+01	9.16E+01	2.18E+01	7.56E-02	0.00E+00
AM242M	9.62E-03	9.58E-03	9.53E-03	9.40E-03	9.19E-03	8.78E-03	7.66E-03	6.10E-03	1.01E-04	1.53E-22	0.00E+00
AM242	2.82E-02	2.80E-02	2.79E-02	2.75E-02	2.69E-02	2.57E-02	2.24E-02	1.79E-02	2.95E-04	4.48E-22	0.00E+00
AM243	4.55E+00	4.55E+00	4.55E+00	4.55E+00	4.55E+00	4.54E+00	4.53E+00	4.51E+00	4.14E+00	1.78E+00	6.30E-07
CM242	8.66E-01	7.63E-01	7.39E-01	7.24E-01	7.06E-01	6.74E-01	5.88E-01	4.68E-01	7.74E-03	1.18E-20	0.00E+00
CM243	3.27E+00	3.19E+00	3.12E+00	2.90E+00	2.57E+00	2.01E+00	9.70E-01	2.88E-01	9.02E-11	0.00E+00	0.00E+00
CM244	8.61E+02	8.29E+02	7.98E+02	7.11E+02	5.87E+02	4.01E+02	1.27E+02	1.88E+01	2.07E-14	0.00E+00	0.00E+00
CM245	1.70E-01	1.70E-01	1.70E-01	1.70E-01	1.70E-01	1.70E-01	1.69E-01	1.69E-01	1.57E-01	7.53E-02	0.00E+00
CM246	2.37E-01	2.37E-01	2.37E-01	2.37E-01	2.37E-01	2.37E-01	2.36E-01	2.34E-01	2.05E-01	5.48E-02	7.97E-31
CF249	1.95E-05	1.95E-05	1.95E-05	1.94E-05	1.92E-05	1.88E-05	1.77E-05	1.61E-05	2.71E-06	5.06E-14	0.00E+00
Summe	9.81E+02	9.49E+02	9.18E+02	8.31E+02	7.07E+02	5.19E+02	2.41E+02	1.23E+02	3.01E+01	4.28E+00	2.08E-01

DWR mit UO₂/MOX-Brennstoff (70/30), 5.Rezyklierung, WA-Zeitpunkt 7A / Summe der Abfallströme
 Konzentrationen der Spaltproduktelemente [G/TSM]

	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]											
	0	1	2	5	10	20	50	100	1000	10000	1000000	
GE	4.78E-01	4.78E-01	4.78E-01	4.78E-01	4.78E-01	4.78E-01	4.78E-01	4.78E-01	4.78E-01	4.78E-01	4.78E-01	4.78E-01
SE	6.31E+01	6.31E+01	6.31E+01	6.31E+01	6.31E+01	6.31E+01	6.31E+01	6.31E+01	6.31E+01	6.30E+01	6.24E+01	5.68E+01
BR	2.53E+01	2.53E+01	2.53E+01	2.53E+01	2.53E+01	2.53E+01	2.53E+01	2.53E+01	2.53E+01	2.53E+01	2.59E+01	3.15E+01
RB	3.65E+02	3.65E+02	3.65E+02	3.65E+02	3.65E+02	3.65E+02	3.65E+02	3.65E+02	3.65E+02	3.65E+02	3.65E+02	3.65E+02
SR	8.45E+02	8.34E+02	8.23E+02	7.91E+02	7.44E+02	6.63E+02	5.11E+02	4.09E+02	3.64E+02	3.64E+02	3.64E+02	3.64E+02
Y	4.80E+02	4.80E+02	4.80E+02	4.80E+02	4.80E+02	4.80E+02	4.80E+02	4.79E+02	4.79E+02	4.79E+02	4.79E+02	4.79E+02
ZR	4.02E+03	4.04E+03	4.05E+03	4.08E+03	4.13E+03	4.21E+03	4.36E+03	4.46E+03	4.51E+03	4.50E+03	4.50E+03	4.22E+03
MO	4.00E+03	4.00E+03	4.00E+03	4.00E+03	4.00E+03	4.00E+03	4.00E+03	4.00E+03	4.00E+03	4.00E+03	4.00E+03	4.00E+03
TC	9.07E+02	9.07E+02	9.07E+02	9.07E+02	9.07E+02	9.07E+02	9.07E+02	9.07E+02	9.07E+02	9.04E+02	8.78E+02	3.51E+01
RU	2.83E+03	2.83E+03	2.83E+03	2.83E+03	2.83E+03	2.83E+03	2.83E+03	2.83E+03	2.83E+03	2.83E+03	2.85E+03	3.70E+03
RH	6.12E+02	6.12E+02	6.12E+02	6.12E+02	6.12E+02	6.12E+02	6.12E+02	6.12E+02	6.12E+02	6.12E+02	6.12E+02	6.12E+02
PD	2.03E+03	2.03E+03	2.03E+03	2.03E+03	2.03E+03	2.03E+03	2.03E+03	2.03E+03	2.03E+03	2.03E+03	2.03E+03	2.00E+03
AG	9.88E+01	9.88E+01	9.88E+01	9.88E+01	9.88E+01	9.88E+01	9.88E+01	9.88E+01	9.88E+01	9.89E+01	9.92E+01	1.31E+02
CD	1.27E+02	1.27E+02	1.27E+02	1.27E+02	1.26E+02	1.26E+02	1.26E+02	1.26E+02	1.26E+02	1.26E+02	1.26E+02	1.26E+02
IN	1.86E+00	1.87E+00	1.88E+00	1.90E+00	1.93E+00	1.98E+00	2.03E+00	2.05E+00	2.05E+00	2.05E+00	2.05E+00	2.05E+00
SN	6.59E+01	6.59E+01	6.59E+01	6.59E+01	6.59E+01	6.59E+01	6.59E+01	6.59E+01	6.59E+01	6.57E+01	6.41E+01	3.86E+01
SB	1.37E+01	1.32E+01	1.29E+01	1.22E+01	1.17E+01	1.16E+01	1.16E+01	1.16E+01	1.16E+01	1.16E+01	1.16E+01	1.16E+01
TE	6.00E+02	6.01E+02	6.01E+02	6.02E+02	6.02E+02	6.02E+02	6.02E+02	6.02E+02	6.02E+02	6.02E+02	6.04E+02	6.30E+02
CS	3.01E+03	2.98E+03	2.95E+03	2.86E+03	2.74E+03	2.53E+03	2.13E+03	1.86E+03	1.74E+03	1.74E+03	1.74E+03	1.63E+03
BA	1.99E+03	2.02E+03	2.05E+03	2.14E+03	2.26E+03	2.47E+03	2.87E+03	3.14E+03	3.26E+03	3.27E+03	3.27E+03	3.37E+03
LA	1.43E+03	1.43E+03	1.43E+03	1.43E+03	1.43E+03	1.43E+03	1.43E+03	1.43E+03	1.43E+03	1.43E+03	1.43E+03	1.43E+03
CE	2.81E+03	2.81E+03	2.81E+03	2.81E+03	2.81E+03	2.81E+03	2.81E+03	2.81E+03	2.81E+03	2.81E+03	2.81E+03	2.81E+03
PR	1.32E+03	1.32E+03	1.32E+03	1.32E+03	1.32E+03	1.32E+03	1.32E+03	1.32E+03	1.32E+03	1.32E+03	1.32E+03	1.32E+03
ND	4.72E+03	4.72E+03	4.72E+03	4.72E+03	4.72E+03	4.72E+03	4.72E+03	4.72E+03	4.72E+03	4.72E+03	4.72E+03	4.72E+03
PM	2.90E+01	2.23E+01	1.71E+01	7.74E+00	2.07E+00	1.47E-01	5.33E-05	9.79E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SM	1.00E+03	1.01E+03	1.01E+03	1.02E+03	1.03E+03	1.03E+03	1.03E+03	1.03E+03	1.02E+03	1.01E+03	1.01E+03	1.01E+03
EU	1.73E+02	1.69E+02	1.65E+02	1.56E+02	1.46E+02	1.37E+02	1.32E+02	1.36E+02	1.44E+02	1.44E+02	1.44E+02	1.44E+02
GD	1.91E+02	1.95E+02	1.99E+02	2.08E+02	2.19E+02	2.30E+02	2.37E+02	2.38E+02	2.38E+02	2.38E+02	2.38E+02	2.38E+02
TB	3.17E+00	3.17E+00	3.17E+00	3.17E+00	3.17E+00	3.17E+00	3.17E+00	3.17E+00	3.17E+00	3.17E+00	3.17E+00	3.17E+00
DY	1.85E+00	1.85E+00	1.85E+00	1.85E+00	1.85E+00	1.85E+00	1.85E+00	1.85E+00	1.85E+00	1.85E+00	1.85E+00	1.85E+00
Summe	3.38E+04	3.38E+04	3.38E+04	3.38E+04	3.38E+04	3.38E+04	3.38E+04	3.38E+04	3.38E+04	3.38E+04	3.38E+04	3.38E+04

DWR mit UO ₂ /MOX-Brennstoff (70/30), 5.Rezyklierung, WA-Zeitpunkt 7A / Summe der Abfallströme Radioaktivität der Spaltprodukt nuklide [Ci/TSM]												
ZEITEN NACH DER WIEDERAUFARBEITUNG [A]												
	0	1	2	5	10	20	50	100	1000	10000	1000000	
H 3	4.36E+02	4.13E+02	3.90E+02	3.30E+02	2.49E+02	1.42E+02	2.64E+01	1.59E+00	0.00E+00	0.00E+00	0.00E+00	
SE 79	4.37E-01	4.37E-01	4.37E-01	4.37E-01	4.37E-01	4.37E-01	4.37E-01	4.37E-01	4.33E-01	3.93E-01	1.02E-05	
SR 90	6.57E+04	6.42E+04	6.26E+04	5.83E+04	5.18E+04	4.08E+04	2.00E+04	6.08E+03	3.04E-06	0.00E+00	0.00E+00	
Y 90	6.57E+04	6.42E+04	6.27E+04	5.83E+04	5.18E+04	4.08E+04	2.00E+04	6.08E+03	3.04E-06	0.00E+00	0.00E+00	
ZR 93	1.99E+00	1.99E+00	1.99E+00	1.99E+00	1.99E+00	1.99E+00	1.99E+00	1.99E+00	1.99E+00	1.98E+00	1.26E+00	
NB 93M	6.69E-01	7.30E-01	7.87E-01	9.43E-01	1.16E+00	1.45E+00	1.79E+00	1.88E+00	1.89E+00	1.88E+00	1.20E+00	
TC 99	1.54E+01	1.54E+01	1.54E+01	1.54E+01	1.54E+01	1.54E+01	1.54E+01	1.54E+01	1.53E+01	1.49E+01	5.94E-01	
RU106	5.95E+03	2.99E+03	1.50E+03	1.91E+02	6.15E+00	6.37E-03	7.03E-12	8.29E-27	0.00E+00	0.00E+00	0.00E+00	
RH106	5.95E+03	2.99E+03	1.50E+03	1.91E+02	6.15E+00	6.37E-03	7.03E-12	8.29E-27	0.00E+00	0.00E+00	0.00E+00	
PD107	1.64E-01	1.64E-01	1.64E-01	1.64E-01	1.64E-01	1.64E-01	1.64E-01	1.64E-01	1.64E-01	1.63E-01	1.47E-01	
AG110M	4.79E+00	1.74E+00	6.32E-01	3.03E-02	1.91E-04	7.63E-09	4.84E-22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	
CD113M	4.17E+01	3.97E+01	3.79E+01	3.29E+01	2.59E+01	1.61E+01	3.88E+00	3.60E-01	9.79E-20	0.00E+00	0.00E+00	
SN121M	2.18E-01	2.15E-01	2.12E-01	2.03E-01	1.90E-01	1.65E-01	1.09E-01	5.44E-02	2.07E-07	0.00E+00	0.00E+00	
SN126	7.77E-01	7.77E-01	7.77E-01	7.77E-01	7.77E-01	7.77E-01	7.77E-01	7.77E-01	7.72E-01	7.25E-01	7.89E-04	
SB125	2.23E+03	1.74E+03	1.35E+03	6.36E+02	1.81E+02	1.47E+01	7.89E-03	2.79E-08	0.00E+00	0.00E+00	0.00E+00	
SB126	1.09E-01	1.09E-01	1.09E-01	1.09E-01	1.09E-01	1.09E-01	1.09E-01	1.09E-01	1.08E-01	1.02E-01	1.10E-04	
SB126M	7.77E-01	7.77E-01	7.77E-01	7.77E-01	7.77E-01	7.77E-01	7.77E-01	7.77E-01	7.72E-01	7.25E-01	7.89E-04	
TE125M	5.44E+02	4.23E+02	3.29E+02	1.55E+02	4.42E+01	3.59E+00	1.92E-03	6.81E-09	0.00E+00	0.00E+00	0.00E+00	
CS134	2.07E+04	1.48E+04	1.06E+04	3.86E+03	7.19E+02	2.49E+01	1.04E-03	5.25E-11	0.00E+00	0.00E+00	0.00E+00	
CS135	4.80E-01	4.80E-01	4.80E-01	4.80E-01	4.80E-01	4.80E-01	4.80E-01	4.80E-01	4.80E-01	4.79E-01	3.55E-01	
CS137	1.10E+05	1.07E+05	1.05E+05	9.76E+04	8.69E+04	6.90E+04	3.45E+04	1.09E+04	1.02E-05	0.00E+00	0.00E+00	
BA137M	1.04E+05	1.01E+05	9.89E+04	9.23E+04	8.22E+04	6.53E+04	3.26E+04	1.03E+04	9.62E-06	0.00E+00	0.00E+00	
CE144	2.47E+03	1.01E+03	4.15E+02	2.87E+01	3.35E-01	4.55E-05	1.14E-16	5.26E-36	0.00E+00	0.00E+00	0.00E+00	
PR144	2.47E+03	1.01E+03	4.15E+02	2.87E+01	3.35E-01	4.55E-05	1.14E-16	5.27E-36	0.00E+00	0.00E+00	0.00E+00	
PR144M	2.96E+01	1.21E+01	4.99E+00	3.45E-01	4.02E-03	5.46E-07	1.37E-18	6.32E-38	0.00E+00	0.00E+00	0.00E+00	
PM147	2.69E+04	2.07E+04	1.59E+04	7.18E+03	1.92E+03	1.37E+02	4.94E-02	9.08E-08	0.00E+00	0.00E+00	0.00E+00	
SM151	4.58E+02	4.55E+02	4.51E+02	4.41E+02	4.24E+02	3.93E+02	3.12E+02	2.12E+02	2.07E-01	0.00E+00	0.00E+00	
EU152	5.18E+00	4.92E+00	4.68E+00	4.02E+00	3.11E+00	1.87E+00	4.05E-01	3.17E-02	3.85E-22	0.00E+00	0.00E+00	
EU154	1.01E+04	9.28E+03	8.57E+03	6.73E+03	4.50E+03	2.01E+03	1.79E+02	3.19E+00	0.00E+00	0.00E+00	0.00E+00	
EU155	4.39E+03	3.82E+03	3.32E+03	2.18E+03	1.09E+03	2.68E+02	4.06E+00	3.75E-03	0.00E+00	0.00E+00	0.00E+00	
Summe	4.27E+05	3.96E+05	3.74E+05	3.29E+05	2.82E+05	2.19E+05	1.08E+05	3.36E+04	2.22E+01	2.13E+01	3.56E+00	

DWR mit UO₂/MOX-Brennstoff (70/30), 5.Rezyklierung, WA-Zeitpunkt 7A / Summe der Abfallströme
 Wärmeleistung der Spaltprodukt nuklide [W/TSM]

		ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
		0	1	2	5	10	20	50	100	1000	10000	1000000
H	3	1.47E-02	1.39E-02	1.32E-02	1.11E-02	8.41E-03	4.80E-03	8.91E-04	5.39E-05	0.00E+00	0.00E+00	0.00E+00
SE	79	1.09E-04	1.09E-04	1.09E-04	1.09E-04	1.09E-04	1.09E-04	1.09E-04	1.09E-04	1.08E-04	9.78E-05	2.54E-09
SR	90	7.63E+01	7.45E+01	7.27E+01	6.77E+01	6.01E+01	4.74E+01	2.32E+01	7.06E+00	3.53E-09	0.00E+00	0.00E+00
Y	90	3.64E+02	3.56E+02	3.47E+02	3.23E+02	2.87E+02	2.26E+02	1.11E+02	3.37E+01	1.69E-08	0.00E+00	0.00E+00
ZR	93	2.31E-04	2.31E-04	2.31E-04	2.31E-04	2.31E-04	2.31E-04	2.31E-04	2.31E-04	2.31E-04	2.30E-04	1.47E-04
NB	93M	1.19E-04	1.29E-04	1.40E-04	1.67E-04	2.05E-04	2.57E-04	3.18E-04	3.34E-04	3.35E-04	3.33E-04	2.13E-04
TC	99	7.71E-03	7.71E-03	7.71E-03	7.71E-03	7.71E-03	7.71E-03	7.71E-03	7.71E-03	7.69E-03	7.47E-03	2.98E-04
RU	106	3.53E-01	1.77E-01	8.92E-02	1.13E-02	3.64E-04	3.78E-07	4.17E-16	4.92E-31	0.00E+00	0.00E+00	0.00E+00
RH	106	5.71E+01	2.87E+01	1.44E+01	1.83E+00	5.90E-02	6.11E-05	6.75E-14	7.95E-29	0.00E+00	0.00E+00	0.00E+00
AG	110M	8.00E-02	2.90E-02	1.05E-02	5.05E-04	3.19E-06	1.27E-10	8.09E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CD	113M	7.01E-02	6.69E-02	6.38E-02	5.53E-02	4.36E-02	2.71E-02	6.52E-03	6.07E-04	1.65E-22	0.00E+00	0.00E+00
SN	121M	4.36E-04	4.30E-04	4.24E-04	4.07E-04	3.80E-04	3.31E-04	2.18E-04	1.09E-04	4.14E-10	0.00E+00	0.00E+00
SN	126	9.70E-04	9.70E-04	9.70E-04	9.69E-04	9.69E-04	9.69E-04	9.69E-04	9.69E-04	9.63E-04	9.05E-04	9.84E-07
SB	125	6.97E+00	5.42E+00	4.22E+00	1.99E+00	5.66E-01	4.60E-02	2.47E-05	8.72E-11	0.00E+00	0.00E+00	0.00E+00
SB	126	2.01E-03	2.01E-03	2.01E-03	2.01E-03	2.01E-03	2.01E-03	2.01E-03	2.01E-03	2.00E-03	1.88E-03	2.04E-06
SB	126M	9.90E-03	9.90E-03	9.90E-03	9.90E-03	9.90E-03	9.90E-03	9.89E-03	9.89E-03	9.83E-03	9.24E-03	1.00E-05
TE	125M	4.57E-01	3.56E-01	2.77E-01	1.30E-01	3.72E-02	3.02E-03	1.62E-06	5.72E-12	0.00E+00	0.00E+00	0.00E+00
CS	134	2.11E+02	1.51E+02	1.08E+02	3.93E+01	7.31E+00	2.54E-01	1.06E-05	5.34E-13	0.00E+00	0.00E+00	0.00E+00
CS	135	1.60E-04	1.60E-04	1.60E-04	1.60E-04	1.60E-04	1.60E-04	1.60E-04	1.60E-04	1.60E-04	1.60E-04	1.19E-04
CS	137	1.21E+02	1.18E+02	1.16E+02	1.08E+02	9.62E+01	7.63E+01	3.82E+01	1.20E+01	1.12E-08	0.00E+00	0.00E+00
BA	137M	4.07E+02	3.98E+02	3.88E+02	3.62E+02	3.23E+02	2.56E+02	1.28E+02	4.04E+01	3.78E-08	0.00E+00	0.00E+00
CE	144	1.64E+00	6.71E-01	2.76E-01	1.91E-02	2.22E-04	3.02E-08	7.56E-20	3.49E-39	0.00E+00	0.00E+00	0.00E+00
PR	144	1.81E+01	7.44E+00	3.05E+00	2.11E-01	2.46E-03	3.34E-07	8.38E-19	3.87E-38	0.00E+00	0.00E+00	0.00E+00
PR	144M	1.01E-02	4.15E-03	1.71E-03	1.18E-04	1.37E-06	1.87E-10	4.68E-22	2.16E-41	0.00E+00	0.00E+00	0.00E+00
PM	147	9.65E+00	7.41E+00	5.69E+00	2.58E+00	6.87E-01	4.90E-02	1.77E-05	3.26E-11	0.00E+00	0.00E+00	0.00E+00
SM	151	5.38E-02	5.34E-02	5.29E-02	5.17E-02	4.98E-02	4.61E-02	3.66E-02	2.49E-02	2.43E-05	0.00E+00	0.00E+00
EU	152	3.93E-02	3.73E-02	3.55E-02	3.04E-02	2.36E-02	1.42E-02	3.07E-03	2.41E-04	2.92E-24	0.00E+00	0.00E+00
EU	154	9.00E+01	8.31E+01	7.66E+01	6.02E+01	4.02E+01	1.80E+01	1.60E+00	2.85E-02	0.00E+00	0.00E+00	0.00E+00
EU	155	3.19E+00	2.78E+00	2.41E+00	1.59E+00	7.89E-01	1.95E-01	2.95E-03	2.73E-06	0.00E+00	0.00E+00	0.00E+00
HO	166M	1.11E-05	1.11E-05	1.11E-05	1.10E-05	1.10E-05	1.10E-05	1.08E-05	1.05E-05	6.22E-06	3.44E-08	0.00E+00
Summe		1.37E+03	1.23E+03	1.14E+03	9.69E+02	8.16E+02	6.25E+02	3.02E+02	9.33E+01	2.14E-02	2.03E-02	7.98E-04

SBR mit LWR-Pu , WA-Zeitpunkt 1A / HAWC
Radioaktivität der Aktinidennuklide [Ci/TSM]

	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
RN220	2.73E-03	1.93E-03	1.36E-03	5.23E-04	1.80E-04	1.16E-04	8.70E-05	5.38E-05	5.08E-08	4.42E-08	7.77E-07
RA224	2.73E-03	1.93E-03	1.36E-03	5.23E-04	1.80E-04	1.16E-04	8.70E-05	5.38E-05	5.08E-08	4.42E-08	7.77E-07
TH228	2.73E-03	1.92E-03	1.36E-03	5.20E-04	1.80E-04	1.16E-04	8.70E-05	5.38E-05	5.08E-08	4.42E-08	7.77E-07
TH230	2.83E-06	2.84E-06	2.87E-06	3.07E-06	3.76E-06	6.53E-06	2.58E-05	9.33E-05	5.30E-03	5.98E-02	6.29E-02
TH234	2.82E-01	1.42E-03	1.41E-03	1.41E-03	1.41E-03	1.41E-03	1.41E-03	1.41E-03	1.41E-03	1.41E-03	1.42E-03
PA233	1.33E-01	1.34E-01	1.37E-01	1.44E-01	1.56E-01	1.80E-01	2.50E-01	3.60E-01	1.37E+00	1.67E+00	1.22E+00
PA234M	2.82E-01	1.42E-03	1.41E-03	1.41E-03	1.41E-03	1.41E-03	1.41E-03	1.41E-03	1.41E-03	1.41E-03	1.42E-03
U 232	4.59E-05	6.43E-05	7.84E-05	1.04E-04	1.16E-04	1.12E-04	8.47E-05	5.24E-05	5.05E-08	4.13E-08	2.42E-08
U 233	1.17E-07	7.61E-07	1.42E-06	3.32E-06	6.60E-06	1.39E-05	4.22E-05	1.09E-04	3.96E-03	6.84E-02	1.29E+00
U 234	1.11E-03	2.32E-03	4.19E-03	1.03E-02	2.05E-02	4.10E-02	1.02E-01	1.97E-01	7.08E-01	6.98E-01	4.35E-02
U 236	9.19E-05	9.29E-05	9.39E-05	9.70E-05	1.03E-04	1.15E-04	1.59E-04	2.38E-04	1.64E-03	1.02E-02	1.51E-02
U 237	9.57E-02	9.12E-02	8.69E-02	7.53E-02	5.92E-02	3.66E-02	8.65E-03	7.98E-04	1.87E-05	8.99E-06	0.00E+00
U 238	1.41E-03	1.41E-03	1.41E-03	1.41E-03	1.41E-03	1.41E-03	1.41E-03	1.41E-03	1.41E-03	1.41E-03	1.42E-03
NP237	1.32E-01	1.34E-01	1.37E-01	1.44E-01	1.56E-01	1.80E-01	2.50E-01	3.60E-01	1.37E+00	1.67E+00	1.22E+00
NP238	4.45E+00	4.45E+00	4.43E+00	4.37E+00	4.27E+00	4.08E+00	3.56E+00	2.84E+00	4.69E-02	7.11E-20	0.00E+00
NP239	1.37E+02	1.38E+02	1.38E+02	1.38E+02	1.38E+02	1.38E+02	1.37E+02	1.37E+02	1.26E+02	5.39E+01	1.31E-07
PU238	1.45E+02	5.99E+02	6.95E+02	7.21E+02	7.21E+02	7.19E+02	7.00E+02	6.43E+02	8.29E+00	2.79E-17	0.00E+00
PU239	2.20E+01	2.21E+01	2.21E+01	2.21E+01	2.22E+01	2.23E+01	2.26E+01	2.29E+01	2.57E+01	3.88E+01	1.31E-07
PU240	3.24E+01	3.32E+01	3.41E+01	3.64E+01	3.97E+01	4.47E+01	5.19E+01	5.45E+01	5.00E+01	1.93E+01	4.30E-09
PU241	3.82E+03	3.64E+03	3.47E+03	3.01E+03	2.36E+03	1.46E+03	3.45E+02	3.19E+01	7.49E-01	3.60E-01	0.00E+00
PU242	1.24E-01	1.24E-01	1.25E-01	1.25E-01	1.27E-01	1.29E-01	1.36E-01	1.46E-01	1.84E-01	1.82E-01	3.09E-02
AM241	7.52E+03	7.51E+03	7.51E+03	7.49E+03	7.45E+03	7.36E+03	7.05E+03	6.52E+03	1.54E+03	3.61E-01	0.00E+00
AM242M	8.95E+02	8.91E+02	8.87E+02	8.75E+02	8.55E+02	8.17E+02	7.12E+02	5.67E+02	9.37E+00	1.42E-17	0.00E+00
AM242	8.90E+02	8.86E+02	8.82E+02	8.70E+02	8.51E+02	8.13E+02	7.09E+02	5.64E+02	9.33E+00	1.42E-17	0.00E+00
AM243	1.38E+02	1.38E+02	1.38E+02	1.38E+02	1.38E+02	1.38E+02	1.37E+02	1.37E+02	1.26E+02	5.39E+01	1.31E-07
CM242	1.13E+05	2.46E+04	5.79E+03	7.69E+02	7.04E+02	6.72E+02	5.86E+02	4.67E+02	7.71E+00	1.17E-17	0.00E+00
CM243	4.75E+02	4.64E+02	4.53E+02	4.21E+02	3.73E+02	2.92E+02	1.41E+02	4.18E+01	1.31E-08	0.00E+00	0.00E+00
CM244	8.35E+03	8.04E+03	7.73E+03	6.89E+03	5.69E+03	3.88E+03	1.23E+03	1.82E+02	2.01E-13	0.00E+00	0.00E+00
CM245	8.12E-01	8.12E-01	8.11E-01	8.11E-01	8.11E-01	8.10E-01	8.08E-01	8.05E-01	7.48E-01	3.59E-01	0.00E+00
CM246	3.44E-02	3.43E-02	3.43E-02	3.43E-02	3.43E-02	3.43E-02	3.41E-02	3.39E-02	2.97E-02	7.94E-03	8.03E-31
Summe	1.36E+05	4.70E+04	2.78E+04	2.14E+04	1.94E+04	1.64E+04	1.18E+04	9.37E+03	1.91E+03	1.72E+02	1.48E+01

SBR mit LWR-Pu , WA-Zeitpunkt 1A / HAWC												
Wärmeleistung der Aktinidennuklide [W/TSM]												
	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]											
	0	1	2	5	10	20	50	100	1000	10000	1000000	
PO216	1.08E-04	7.63E-05	5.40E-05	2.07E-05	7.14E-06	4.59E-06	3.44E-06	2.13E-06	2.01E-09	1.75E-09	3.08E-08	
RN220	1.04E-04	7.31E-05	5.17E-05	1.98E-05	6.85E-06	4.41E-06	3.30E-06	2.04E-06	1.93E-09	1.68E-09	2.95E-08	
TH230	8.00E-08	8.04E-08	8.12E-08	8.67E-08	1.06E-07	1.85E-07	7.30E-07	2.64E-06	1.50E-04	1.69E-03	1.78E-03	
TH234	1.14E-04	5.74E-07	5.71E-07	5.71E-07	5.71E-07	5.71E-07	5.71E-07	5.71E-07	5.71E-07	5.71E-07	5.76E-07	
PA233	3.01E-04	3.05E-04	3.10E-04	3.27E-04	3.54E-04	4.09E-04	5.68E-04	8.17E-04	3.10E-03	3.80E-03	2.76E-03	
PA234M	1.39E-03	7.00E-06	6.96E-06	6.96E-06	6.96E-06	6.96E-06	6.96E-06	6.96E-06	6.96E-06	6.96E-06	7.02E-06	
U 232	1.47E-06	2.06E-06	2.52E-06	3.32E-06	3.74E-06	3.60E-06	2.72E-06	1.68E-06	1.62E-09	1.32E-09	7.78E-10	
U 233	3.40E-09	2.21E-08	4.12E-08	9.67E-08	1.92E-07	4.06E-07	1.23E-06	3.17E-06	1.15E-04	1.99E-03	3.75E-02	
U 234	3.19E-05	6.69E-05	1.21E-04	2.96E-04	5.91E-04	1.18E-03	2.92E-03	5.68E-03	2.04E-02	2.01E-02	1.25E-03	
U 235	8.12E-07	8.13E-07	8.14E-07	8.15E-07	8.18E-07	8.24E-07	8.43E-07	8.74E-07	1.47E-06	9.85E-06	6.23E-05	
U 236	2.49E-06	2.52E-06	2.54E-06	2.63E-06	2.78E-06	3.12E-06	4.30E-06	6.45E-06	4.43E-05	2.77E-04	4.10E-04	
U 237	1.81E-04	1.73E-04	1.64E-04	1.42E-04	1.12E-04	6.92E-05	1.64E-05	1.51E-06	3.54E-08	1.70E-08	0.00E+00	
U 238	3.56E-05	3.56E-05	3.56E-05	3.56E-05	3.56E-05	3.56E-05	3.56E-05	3.56E-05	3.56E-05	3.56E-05	3.60E-05	
NP237	3.88E-03	3.95E-03	4.02E-03	4.23E-03	4.59E-03	5.29E-03	7.35E-03	1.06E-02	4.01E-02	4.92E-02	3.57E-02	
NP238	2.13E-02	2.13E-02	2.12E-02	2.09E-02	2.05E-02	1.96E-02	1.71E-02	1.36E-02	2.25E-04	3.41E-22	0.00E+00	
NP239	3.32E-01	3.33E-01	3.33E-01	3.33E-01	3.33E-01	3.33E-01	3.32E-01	3.30E-01	3.03E-01	1.30E-01	3.17E-10	
PU238	4.81E+00	1.99E+01	2.30E+01	2.39E+01	2.39E+01	2.38E+01	2.32E+01	2.13E+01	2.75E-01	9.26E-19	0.00E+00	
PU239	6.85E-01	6.86E-01	6.86E-01	6.88E-01	6.90E-01	6.94E-01	7.03E-01	7.11E-01	7.99E-01	1.21E+00	4.08E-09	
PU240	1.01E+00	1.04E+00	1.06E+00	1.13E+00	1.24E+00	1.39E+00	1.62E+00	1.70E+00	1.56E+00	6.00E-01	1.34E-10	
PU241	1.18E-01	1.12E-01	1.07E-01	9.27E-02	7.29E-02	4.50E-02	1.06E-02	9.82E-04	2.31E-05	1.11E-05	0.00E+00	
PU242	3.66E-03	3.67E-03	3.68E-03	3.70E-03	3.74E-03	3.82E-03	4.03E-03	4.32E-03	5.42E-03	5.36E-03	9.11E-04	
AM241	2.51E+02	2.51E+02	2.51E+02	2.50E+02	2.49E+02	2.46E+02	2.36E+02	2.18E+02	5.15E+01	1.20E-02	0.00E+00	
AM242M	3.53E-01	3.52E-01	3.50E-01	3.45E-01	3.38E-01	3.22E-01	2.81E-01	2.24E-01	3.70E-03	5.61E-21	0.00E+00	
AM242	1.03E+00	1.03E+00	1.03E+00	1.01E+00	9.88E-01	9.44E-01	8.24E-01	6.56E-01	1.08E-02	1.64E-20	0.00E+00	
AM243	4.45E+00	4.44E+00	4.44E+00	4.44E+00	4.44E+00	4.44E+00	4.42E+00	4.40E+00	4.05E+00	1.74E+00	4.23E-09	
CM242	4.17E+03	9.06E+02	2.13E+02	2.84E+01	2.59E+01	2.48E+01	2.16E+01	1.72E+01	2.84E-01	4.32E-19	0.00E+00	
CM243	1.74E+01	1.70E+01	1.66E+01	1.54E+01	1.37E+01	1.07E+01	5.17E+00	1.53E+00	4.80E-10	0.00E+00	0.00E+00	
CM244	2.92E+02	2.81E+02	2.71E+02	2.41E+02	1.99E+02	1.36E+02	4.31E+01	6.36E+00	7.03E-15	0.00E+00	0.00E+00	
CM245	2.71E-02	2.70E-02	2.70E-02	2.70E-02	2.70E-02	2.70E-02	2.69E-02	2.68E-02	2.49E-02	1.20E-02	0.00E+00	
CM246	1.12E-03	1.12E-03	1.12E-03	1.12E-03	1.12E-03	1.12E-03	1.12E-03	1.11E-03	9.71E-04	2.60E-04	2.63E-32	
Summe	4.75E+03	1.48E+03	7.82E+02	5.67E+02	5.20E+02	4.49E+02	3.37E+02	2.72E+02	5.89E+01	3.80E+00	3.55E-01	

SBR mit LWR-Pu , WA-Zeitpunkt 1A / HAWC
 Konzentrationen der Spaltproduktelemente [G/TSM]

	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
SE	3.97E+01	3.97E+01	3.97E+01	3.97E+01	3.97E+01	3.97E+01	3.97E+01	3.96E+01	3.96E+01	3.92E+01	3.47E+01
BR	1.25E+01	1.25E+01	1.25E+01	1.25E+01	1.25E+01	1.25E+01	1.26E+01	1.26E+01	1.26E+01	1.30E+01	1.75E+01
RB	2.53E+02	2.53E+02	2.53E+02	2.53E+02	2.53E+02	2.53E+02	2.53E+02	2.53E+02	2.53E+02	2.53E+02	2.53E+02
SR	5.77E+02	5.68E+02	5.61E+02	5.38E+02	5.04E+02	4.46E+02	3.37E+02	2.64E+02	2.32E+02	2.32E+02	2.32E+02
Y	3.07E+02	3.06E+02	3.06E+02	3.06E+02	3.06E+02	3.06E+02	3.06E+02	3.06E+02	3.06E+02	3.06E+02	3.06E+02
ZR	2.10E+03	2.11E+03	2.11E+03	2.14E+03	2.17E+03	2.23E+03	2.34E+03	2.41E+03	2.44E+03	2.44E+03	2.29E+03
MO	1.89E+03	1.90E+03	1.90E+03	1.90E+03	1.90E+03	1.90E+03	1.90E+03	1.90E+03	1.90E+03	1.90E+03	1.90E+03
TC	5.25E+02	5.25E+02	5.25E+02	5.25E+02	5.25E+02	5.25E+02	5.25E+02	5.25E+02	5.24E+02	5.08E+02	2.03E+01
RU	1.53E+03	1.49E+03	1.46E+03	1.44E+03	1.44E+03	1.44E+03	1.44E+03	1.44E+03	1.44E+03	1.46E+03	1.95E+03
RH	4.02E+02	4.02E+02	4.02E+02	4.02E+02	4.02E+02	4.02E+02	4.02E+02	4.02E+02	4.02E+02	4.02E+02	4.02E+02
PD	1.51E+03	1.55E+03	1.58E+03	1.60E+03	1.60E+03	1.60E+03	1.60E+03	1.60E+03	1.60E+03	1.60E+03	1.57E+03
AG	2.56E+02	2.56E+02	2.56E+02	2.56E+02	2.56E+02	2.56E+02	2.56E+02	2.56E+02	2.56E+02	2.56E+02	2.87E+02
CD	1.57E+02	1.57E+02	1.57E+02	1.57E+02	1.56E+02	1.56E+02	1.56E+02	1.56E+02	1.56E+02	1.56E+02	1.56E+02
IN	1.34E+01	1.34E+01	1.34E+01	1.35E+01	1.37E+01	1.39E+01	1.41E+01	1.42E+01	1.42E+01	1.42E+01	1.42E+01
SN	1.31E+02	1.31E+02	1.31E+02	1.31E+02	1.31E+02	1.31E+02	1.31E+02	1.31E+02	1.31E+02	1.28E+02	8.05E+01
SB	3.38E+01	3.06E+01	2.81E+01	2.33E+01	2.03E+01	1.92E+01	1.91E+01	1.91E+01	1.91E+01	1.91E+01	1.91E+01
TE	6.69E+02	6.72E+02	6.75E+02	6.80E+02	6.83E+02	6.84E+02	6.84E+02	6.84E+02	6.84E+02	6.87E+02	7.35E+02
I	3.99E+02	4.00E+02	4.00E+02	4.00E+02	4.00E+02	4.00E+02	4.00E+02	4.00E+02	4.00E+02	4.00E+02	3.87E+02
CS	4.56E+03	4.52E+03	4.48E+03	4.39E+03	4.24E+03	4.01E+03	3.56E+03	3.25E+03	3.11E+03	3.10E+03	2.68E+03
BA	1.60E+03	1.64E+03	1.67E+03	1.77E+03	1.91E+03	2.15E+03	2.60E+03	2.90E+03	3.05E+03	3.05E+03	3.47E+03
LA	1.37E+03	1.37E+03	1.37E+03	1.37E+03	1.37E+03	1.37E+03	1.37E+03	1.37E+03	1.37E+03	1.37E+03	1.37E+03
CE	2.65E+03	2.54E+03	2.50E+03	2.47E+03	2.47E+03	2.47E+03	2.47E+03	2.47E+03	2.47E+03	2.47E+03	2.47E+03
PR	1.31E+03	1.31E+03	1.31E+03	1.31E+03	1.31E+03	1.31E+03	1.31E+03	1.31E+03	1.31E+03	1.31E+03	1.31E+03
ND	3.98E+03	4.09E+03	4.13E+03	4.16E+03	4.16E+03	4.16E+03	4.16E+03	4.16E+03	4.16E+03	4.16E+03	4.16E+03
PM	3.09E+02	2.37E+02	1.82E+02	8.25E+01	2.20E+01	1.57E+00	5.67E-04	1.04E-09	0.00E+00	0.00E+00	0.00E+00
SM	1.04E+03	1.11E+03	1.16E+03	1.26E+03	1.31E+03	1.32E+03	1.28E+03	1.24E+03	1.15E+03	1.15E+03	1.15E+03
EU	1.48E+02	1.43E+02	1.40E+02	1.32E+02	1.27E+02	1.31E+02	1.61E+02	2.03E+02	2.92E+02	2.92E+02	2.92E+02
GD	9.93E+01	1.05E+02	1.10E+02	1.22E+02	1.34E+02	1.43E+02	1.47E+02	1.47E+02	1.47E+02	1.47E+02	1.47E+02
TB	8.81E+00	8.80E+00	8.80E+00	8.80E+00	8.80E+00	8.80E+00	8.80E+00	8.80E+00	8.80E+00	8.80E+00	8.80E+00
DY	6.03E+00	6.04E+00	6.04E+00	6.04E+00	6.04E+00	6.04E+00	6.04E+00	6.04E+00	6.04E+00	6.04E+00	6.04E+00
Summe	2.79E+04	2.79E+04	2.79E+04	2.79E+04	2.79E+04	2.79E+04	2.79E+04	2.79E+04	2.79E+04	2.79E+04	2.79E+04

SBR mit LWR-Pu , WA-Zeitpunkt 1A / HAWC												
Radioaktivität der Spaltprodukt nuklide [Ci/TSM]												
ZEITEN NACH DER WIEDERAUFARBEITUNG [A]												
		0	1	2	5	10	20	50	100	1000	10000	1000000
H 3		1.06E+03	9.98E+02	9.44E+02	7.97E+02	6.02E+02	3.44E+02	6.38E+01	3.86E+00	0.00E+00	0.00E+00	0.00E+00
SR 90		4.70E+04	4.59E+04	4.48E+04	4.17E+04	3.70E+04	2.92E+04	1.43E+04	4.35E+03	2.17E-06	0.00E+00	0.00E+00
Y 90		4.70E+04	4.59E+04	4.48E+04	4.17E+04	3.70E+04	2.92E+04	1.43E+04	4.35E+03	2.17E-06	0.00E+00	0.00E+00
ZR 93		1.07E+00	1.07E+00	1.07E+00	1.07E+00	1.07E+00	1.07E+00	1.07E+00	1.07E+00	1.07E+00	1.07E+00	6.81E-01
NB 93M		1.50E-01	1.94E-01	2.34E-01	3.45E-01	4.97E-01	7.04E-01	9.49E-01	1.01E+00	1.02E+00	1.01E+00	6.47E-01
TC 99		8.91E+00	8.91E+00	8.91E+00	8.91E+00	8.91E+00	8.91E+00	8.91E+00	8.91E+00	8.88E+00	8.62E+00	3.44E-01
RU106		3.05E+05	1.53E+05	7.71E+04	9.81E+03	3.15E+02	3.39E-01	3.74E-10	4.41E-25	0.00E+00	0.00E+00	0.00E+00
RH106		2.48E+05	1.53E+05	7.71E+04	9.81E+03	3.15E+02	3.39E-01	3.74E-10	4.41E-25	0.00E+00	0.00E+00	0.00E+00
PD107		1.57E-01	1.57E-01	1.57E-01	1.57E-01	1.57E-01	1.57E-01	1.57E-01	1.57E-01	1.57E-01	1.57E-01	1.41E-01
AG110M		3.84E+02	1.39E+02	5.06E+01	2.42E+00	1.53E-02	6.11E-07	3.88E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CD113M		1.73E+02	1.65E+02	1.57E+02	1.36E+02	1.07E+02	6.68E+01	1.61E+01	1.49E+00	4.06E-19	0.00E+00	0.00E+00
SN119M		1.47E+02	5.23E+01	1.86E+01	8.39E-01	4.79E-03	1.56E-07	5.44E-21	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SN121M		1.44E+00	1.42E+00	1.40E+00	1.34E+00	1.25E+00	1.09E+00	7.18E-01	3.59E-01	1.36E-06	0.00E+00	0.00E+00
SN126		1.44E+00	1.44E+00	1.44E+00	1.44E+00	1.44E+00	1.44E+00	1.44E+00	1.44E+00	1.43E+00	1.34E+00	1.47E-03
SB125		1.54E+04	1.20E+04	9.33E+03	4.40E+03	1.25E+03	1.02E+02	5.45E-02	1.93E-07	0.00E+00	0.00E+00	0.00E+00
SB126		1.37E-01	2.02E-01	2.02E-01	2.02E-01	2.02E-01	2.02E-01	2.02E-01	2.02E-01	2.00E-01	1.88E-01	2.06E-04
SB126M		9.80E-01	1.44E+00	1.44E+00	1.44E+00	1.44E+00	1.44E+00	1.44E+00	1.44E+00	1.43E+00	1.34E+00	1.47E-03
TE125M		5.52E+03	2.95E+03	2.28E+03	1.07E+03	3.06E+02	2.48E+01	1.33E-02	4.71E-08	0.00E+00	0.00E+00	0.00E+00
CS134		2.34E+04	1.67E+04	1.19E+04	4.36E+03	8.12E+02	2.82E+01	1.18E-03	5.93E-11	0.00E+00	0.00E+00	0.00E+00
CS135		1.88E+00	1.88E+00	1.88E+00	1.88E+00	1.88E+00	1.88E+00	1.88E+00	1.88E+00	1.88E+00	1.88E+00	1.39E+00
CS137		1.24E+05	1.21E+05	1.19E+05	1.11E+05	9.87E+04	7.83E+04	3.92E+04	1.23E+04	1.15E-05	0.00E+00	0.00E+00
BA137M		1.18E+05	1.15E+05	1.12E+05	1.05E+05	9.33E+04	7.41E+04	3.70E+04	1.17E+04	1.09E-05	0.00E+00	0.00E+00
CE144		5.91E+05	2.43E+05	9.96E+04	6.89E+03	8.03E+01	1.09E-02	2.73E-14	1.26E-33	0.00E+00	0.00E+00	0.00E+00
PR144		5.91E+05	2.43E+05	9.96E+04	6.89E+03	8.03E+01	1.09E-02	2.73E-14	1.26E-33	0.00E+00	0.00E+00	0.00E+00
PR144M		7.09E+03	2.91E+03	1.19E+03	8.26E+01	9.63E-01	1.31E-04	3.28E-16	1.51E-35	0.00E+00	0.00E+00	0.00E+00
PM147		2.86E+05	2.20E+05	1.69E+05	7.65E+04	2.04E+04	1.45E+03	5.26E-01	9.67E-07	0.00E+00	0.00E+00	0.00E+00
SM151		5.07E+03	5.03E+03	5.00E+03	4.88E+03	4.70E+03	4.35E+03	3.45E+03	2.35E+03	2.30E+00	0.00E+00	0.00E+00
EU152		1.20E+01	1.14E+01	1.08E+01	9.29E+00	7.20E+00	4.33E+00	9.38E-01	7.34E-02	8.92E-22	0.00E+00	0.00E+00
EU154		2.10E+03	1.93E+03	1.78E+03	1.40E+03	9.36E+02	4.18E+02	3.73E+01	6.64E-01	0.00E+00	0.00E+00	0.00E+00
EU155		1.88E+04	1.63E+04	1.42E+04	9.34E+03	4.64E+03	1.15E+03	1.73E+01	1.60E-02	0.00E+00	0.00E+00	0.00E+00
Summe		2.61E+06	1.40E+06	8.90E+05	4.35E+05	3.01E+05	2.19E+05	1.08E+05	3.51E+04	1.88E+01	1.60E+01	3.26E+00

SBR mit LWR-Pu , WA-Zeitpunkt 1A / HAWC
 Wärmeleistung der Spaltprodukt nuklide [W/TSM]

		ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
		0	1	2	5	10	20	50	100	1000	10000	1000000
H	3	3.57E-02	3.37E-02	3.19E-02	2.69E-02	2.03E-02	1.16E-02	2.16E-03	1.30E-04	0.00E+00	0.00E+00	0.00E+00
SR	90	5.45E+01	5.32E+01	5.20E+01	4.84E+01	4.30E+01	3.39E+01	1.66E+01	5.05E+00	2.52E-09	0.00E+00	0.00E+00
Y	90	2.60E+02	2.54E+02	2.48E+02	2.31E+02	2.05E+02	1.62E+02	7.93E+01	2.41E+01	1.21E-08	0.00E+00	0.00E+00
NB	93M	2.67E-05	3.43E-05	4.16E-05	6.12E-05	8.80E-05	1.25E-04	1.68E-04	1.79E-04	1.80E-04	1.79E-04	1.15E-04
TC	99	4.47E-03	4.47E-03	4.47E-03	4.47E-03	4.47E-03	4.47E-03	4.47E-03	4.47E-03	4.45E-03	4.32E-03	1.73E-04
RU	106	1.81E+01	9.09E+00	4.57E+00	5.81E-01	1.87E-02	2.01E-05	2.22E-14	2.62E-29	0.00E+00	0.00E+00	0.00E+00
RH	106	2.38E+03	1.47E+03	7.40E+02	9.41E+01	3.02E+00	3.25E-03	3.59E-12	4.23E-27	0.00E+00	0.00E+00	0.00E+00
AG	110	3.67E-02	1.33E-02	4.84E-03	2.32E-04	1.46E-06	5.83E-11	3.71E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00
AG	110M	6.41E+00	2.33E+00	8.45E-01	4.05E-02	2.56E-04	1.02E-08	6.48E-22	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CD	113M	2.91E-01	2.77E-01	2.64E-01	2.29E-01	1.81E-01	1.12E-01	2.70E-02	2.52E-03	6.83E-22	0.00E+00	0.00E+00
SN	119M	7.59E-02	2.70E-02	9.62E-03	4.34E-04	2.48E-06	8.09E-11	2.81E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SN	121M	2.88E-03	2.84E-03	2.80E-03	2.69E-03	2.51E-03	2.18E-03	1.44E-03	7.19E-04	2.73E-09	0.00E+00	0.00E+00
SN	123	3.54E+00	4.98E-01	7.02E-02	1.96E-04	1.09E-08	3.37E-17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SN	126	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.78E-03	1.68E-03	1.83E-06
SB	125	4.82E+01	3.75E+01	2.92E+01	1.37E+01	3.92E+00	3.18E-01	1.70E-04	6.03E-10	0.00E+00	0.00E+00	0.00E+00
SB	126	2.53E-03	3.73E-03	3.73E-03	3.73E-03	3.73E-03	3.73E-03	3.73E-03	3.73E-03	3.70E-03	3.48E-03	3.80E-06
SB	126M	1.25E-02	1.83E-02	1.83E-02	1.83E-02	1.83E-02	1.83E-02	1.83E-02	1.83E-02	1.82E-02	1.71E-02	1.87E-05
TE	125M	4.64E+00	2.48E+00	1.91E+00	9.02E-01	2.57E-01	2.09E-02	1.12E-05	3.96E-11	0.00E+00	0.00E+00	0.00E+00
CS	134	2.38E+02	1.70E+02	1.22E+02	4.44E+01	8.27E+00	2.87E-01	1.20E-05	6.04E-13	0.00E+00	0.00E+00	0.00E+00
CS	135	6.29E-04	6.29E-04	6.29E-04	6.29E-04	6.29E-04	6.29E-04	6.29E-04	6.29E-04	6.29E-04	6.27E-04	4.65E-04
CS	137	1.37E+02	1.34E+02	1.31E+02	1.22E+02	1.09E+02	8.66E+01	4.33E+01	1.36E+01	1.28E-08	0.00E+00	0.00E+00
BA	137M	4.62E+02	4.51E+02	4.41E+02	4.11E+02	3.66E+02	2.91E+02	1.45E+02	4.58E+01	4.29E-08	0.00E+00	0.00E+00
CE	144	3.92E+02	1.61E+02	6.60E+01	4.57E+00	5.32E-02	7.23E-06	1.81E-17	8.37E-37	0.00E+00	0.00E+00	0.00E+00
PR	144	4.34E+03	1.78E+03	7.32E+02	5.06E+01	5.90E-01	8.01E-05	2.01E-16	9.27E-36	0.00E+00	0.00E+00	0.00E+00
PR	144M	2.43E+00	9.96E-01	4.09E-01	2.83E-02	3.29E-04	4.47E-08	1.12E-19	5.18E-39	0.00E+00	0.00E+00	0.00E+00
PM	147	1.03E+02	7.89E+01	6.06E+01	2.74E+01	7.32E+00	5.22E-01	1.89E-04	3.47E-10	0.00E+00	0.00E+00	0.00E+00
SM	151	5.95E-01	5.91E-01	5.86E-01	5.73E-01	5.51E-01	5.10E-01	4.05E-01	2.76E-01	2.70E-04	0.00E+00	0.00E+00
EU	152	9.09E-02	8.64E-02	8.21E-02	7.05E-02	5.46E-02	3.28E-02	7.11E-03	5.57E-04	6.76E-24	0.00E+00	0.00E+00
EU	154	1.87E+01	1.73E+01	1.60E+01	1.25E+01	8.38E+00	3.74E+00	3.34E-01	5.94E-03	0.00E+00	0.00E+00	0.00E+00
EU	155	1.37E+01	1.19E+01	1.03E+01	6.79E+00	3.38E+00	8.35E-01	1.26E-02	1.17E-05	0.00E+00	0.00E+00	0.00E+00
Summe		9.24E+03	4.65E+03	2.66E+03	1.07E+03	7.60E+02	5.80E+02	2.85E+02	8.90E+01	2.95E-02	2.76E-02	8.88E-04

SBR mit LWR-Pu , WA-Zeitpunkt 1A / MAWC
Radioaktivität der Aktinidennuklide [Ci/TSM]

	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
PB212	0.00E+00	3.41E-06	6.76E-06	1.49E-05	2.14E-05	2.28E-05	1.74E-05	1.08E-05	2.07E-09	5.58E-10	8.84E-08
BI212	0.00E+00	3.41E-06	6.76E-06	1.49E-05	2.14E-05	2.28E-05	1.74E-05	1.08E-05	2.07E-09	5.58E-10	8.84E-08
PO216	0.00E+00	3.41E-06	6.76E-06	1.49E-05	2.14E-05	2.28E-05	1.74E-05	1.08E-05	2.07E-09	5.58E-10	8.84E-08
RN220	0.00E+00	3.41E-06	6.76E-06	1.49E-05	2.14E-05	2.28E-05	1.74E-05	1.08E-05	2.07E-09	5.58E-10	8.84E-08
RA224	0.00E+00	3.41E-06	6.76E-06	1.49E-05	2.14E-05	2.28E-05	1.74E-05	1.08E-05	2.07E-09	5.58E-10	8.84E-08
TH228	0.00E+00	3.41E-06	6.75E-06	1.49E-05	2.14E-05	2.28E-05	1.74E-05	1.08E-05	2.07E-09	5.58E-10	8.84E-08
TH234	0.00E+00	2.82E-04	2.82E-04	2.82E-04	2.82E-04	2.82E-04	2.82E-04	2.82E-04	2.82E-04	2.82E-04	2.83E-04
PA233	0.00E+00	6.63E-04	6.64E-04	6.69E-04	6.82E-04	7.26E-04	9.23E-04	1.30E-03	4.86E-03	5.94E-03	4.31E-03
PA234M	0.00E+00	2.82E-04	2.82E-04	2.82E-04	2.82E-04	2.82E-04	2.82E-04	2.82E-04	2.82E-04	2.82E-04	2.83E-04
U 232	9.19E-06	1.29E-05	1.57E-05	2.07E-05	2.33E-05	2.25E-05	1.69E-05	1.05E-05	2.02E-09	2.07E-10	1.22E-10
U 234	2.22E-04	3.04E-04	3.85E-04	6.26E-04	1.01E-03	1.75E-03	3.63E-03	5.92E-03	1.07E-02	1.04E-02	8.96E-04
U 236	1.84E-05	1.86E-05	1.88E-05	1.93E-05	2.03E-05	2.22E-05	2.79E-05	3.75E-05	2.00E-04	1.20E-03	1.77E-03
U 237	1.91E-02	1.82E-02	1.74E-02	1.50E-02	1.18E-02	7.31E-03	1.73E-03	1.56E-04	1.87E-09	8.99E-10	0.00E+00
U 238	2.82E-04	2.82E-04	2.82E-04	2.82E-04	2.82E-04	2.82E-04	2.82E-04	2.82E-04	2.82E-04	2.82E-04	2.83E-04
NP237	6.63E-04	6.63E-04	6.64E-04	6.69E-04	6.82E-04	7.26E-04	9.23E-04	1.30E-03	4.86E-03	5.94E-03	4.31E-03
NP238	2.24E-02	4.45E-04	4.43E-04	4.37E-04	4.28E-04	4.08E-04	3.56E-04	2.84E-04	4.69E-06	7.11E-24	0.00E+00
NP239	6.89E-01	1.38E-02	1.38E-02	1.38E-02	1.38E-02	1.38E-02	1.37E-02	1.37E-02	1.26E-02	5.39E-03	1.31E-11
PU238	2.90E+01	2.88E+01	2.86E+01	2.80E+01	2.69E+01	2.48E+01	1.96E+01	1.32E+01	1.16E-02	2.79E-21	0.00E+00
PU239	4.41E+00	4.41E+00	4.41E+00	4.41E+00	4.41E+00	4.41E+00	4.40E+00	4.40E+00	4.28E+00	3.31E+00	1.45E-11
PU240	6.48E+00	6.48E+00	6.48E+00	6.47E+00	6.47E+00	6.46E+00	6.44E+00	6.41E+00	5.83E+00	2.24E+00	8.02E-10
PU241	7.65E+02	7.29E+02	6.95E+02	6.01E+02	4.73E+02	2.92E+02	6.89E+01	6.21E+00	7.49E-05	3.60E-05	0.00E+00
PU242	2.48E-02	2.48E-02	2.48E-02	2.48E-02	2.48E-02	2.48E-02	2.48E-02	2.48E-02	2.48E-02	2.44E-02	4.14E-03
AM241	7.52E-01	1.95E+00	3.08E+00	6.17E+00	1.04E+01	1.62E+01	2.26E+01	2.29E+01	5.45E+00	3.89E-05	0.00E+00
AM242M	8.95E-02	8.91E-02	8.87E-02	8.75E-02	8.55E-02	8.17E-02	7.12E-02	5.67E-02	9.37E-04	1.42E-21	0.00E+00
AM242	8.90E-02	8.86E-02	8.82E-02	8.70E-02	8.51E-02	8.13E-02	7.09E-02	5.64E-02	9.33E-04	1.42E-21	0.00E+00
AM243	1.38E-02	1.38E-02	1.38E-02	1.38E-02	1.38E-02	1.38E-02	1.37E-02	1.37E-02	1.26E-02	5.39E-03	1.31E-11
CM242	1.13E+01	2.46E+00	5.79E-01	7.69E-02	7.04E-02	6.72E-02	5.86E-02	4.67E-02	7.71E-04	1.17E-21	0.00E+00
CM243	4.75E-02	4.64E-02	4.53E-02	4.21E-02	3.73E-02	2.92E-02	1.41E-02	4.18E-03	1.31E-12	0.00E+00	0.00E+00
CM244	8.35E-01	8.04E-01	7.73E-01	6.90E-01	5.69E-01	3.88E-01	1.23E-01	1.82E-02	2.01E-17	0.00E+00	0.00E+00
CM245	8.12E-05	8.12E-05	8.12E-05	8.11E-05	8.11E-05	8.10E-05	8.08E-05	8.05E-05	7.48E-05	3.59E-05	0.00E+00
Summe	8.19E+02	7.74E+02	7.39E+02	6.47E+02	5.22E+02	3.45E+02	1.22E+02	5.34E+01	1.57E+01	5.62E+00	7.11E-02

SBR mit LWR-Pu , WA-Zeitpunkt 1A / MAWC Wärmeleistung der Aktinidennuklide [W/TSM]											
	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
PO216	0.00E+00	1.35E-07	2.68E-07	5.88E-07	8.49E-07	9.03E-07	6.89E-07	4.26E-07	8.21E-11	2.21E-11	3.50E-09
RN220	0.00E+00	1.29E-07	2.57E-07	5.64E-07	8.14E-07	8.66E-07	6.61E-07	4.08E-07	7.87E-11	2.12E-11	3.36E-09
TH228	0.00E+00	1.11E-07	2.21E-07	4.86E-07	7.01E-07	7.46E-07	5.69E-07	3.52E-07	6.78E-11	1.83E-11	2.89E-09
TH230	0.00E+00	6.69E-11	1.55E-10	5.41E-10	1.59E-09	5.11E-09	2.59E-08	8.76E-08	2.52E-06	2.55E-05	3.35E-05
TH234	0.00E+00	1.14E-07	1.14E-07	1.14E-07	1.14E-07	1.14E-07	1.14E-07	1.14E-07	1.14E-07	1.14E-07	1.15E-07
PA233	0.00E+00	1.51E-06	1.51E-06	1.52E-06	1.55E-06	1.65E-06	2.10E-06	2.95E-06	1.10E-05	1.35E-05	9.79E-06
PA234M	0.00E+00	1.39E-06	1.39E-06	1.39E-06	1.39E-06	1.39E-06	1.39E-06	1.39E-06	1.39E-06	1.39E-06	1.40E-06
U 232	2.95E-07	4.13E-07	5.03E-07	6.65E-07	7.47E-07	7.21E-07	5.43E-07	3.36E-07	6.48E-11	6.65E-12	3.91E-12
U 234	6.38E-06	8.74E-06	1.11E-05	1.80E-05	2.92E-05	5.03E-05	1.04E-04	1.71E-04	3.07E-04	3.00E-04	2.58E-05
U 235	1.62E-07	1.63E-07	1.63E-07	1.63E-07	1.64E-07	1.65E-07	1.68E-07	1.74E-07	2.81E-07	1.21E-06	4.34E-06
U 236	4.98E-07	5.03E-07	5.08E-07	5.24E-07	5.50E-07	6.02E-07	7.57E-07	1.01E-06	5.43E-06	3.25E-05	4.81E-05
U 237	3.62E-05	3.45E-05	3.29E-05	2.85E-05	2.24E-05	1.38E-05	3.27E-06	2.94E-07	3.54E-12	1.70E-12	0.00E+00
U 238	7.13E-06	7.13E-06	7.13E-06	7.13E-06	7.13E-06	7.13E-06	7.13E-06	7.13E-06	7.13E-06	7.13E-06	7.17E-06
NP237	1.95E-05	1.95E-05	1.95E-05	1.96E-05	2.00E-05	2.13E-05	2.71E-05	3.81E-05	1.43E-04	1.75E-04	1.27E-04
NP238	1.07E-04	2.13E-06	2.12E-06	2.09E-06	2.05E-06	1.96E-06	1.71E-06	1.36E-06	2.24E-08	3.41E-26	0.00E+00
NP239	1.67E-03	3.33E-05	3.33E-05	3.33E-05	3.33E-05	3.33E-05	3.32E-05	3.30E-05	3.03E-05	1.30E-05	3.17E-14
PU238	9.62E-01	9.56E-01	9.49E-01	9.27E-01	8.91E-01	8.24E-01	6.50E-01	4.39E-01	3.85E-04	9.26E-23	0.00E+00
PU239	1.37E-01	1.37E-01	1.37E-01	1.37E-01	1.37E-01	1.37E-01	1.37E-01	1.37E-01	1.33E-01	1.03E-01	4.50E-13
PU240	2.02E-01	2.02E-01	2.02E-01	2.02E-01	2.02E-01	2.01E-01	2.01E-01	2.00E-01	1.82E-01	6.99E-02	2.50E-11
PU241	2.36E-02	2.25E-02	2.14E-02	1.85E-02	1.46E-02	9.00E-03	2.12E-03	1.92E-04	2.31E-09	1.11E-09	0.00E+00
PU242	7.33E-04	7.33E-04	7.33E-04	7.33E-04	7.33E-04	7.33E-04	7.33E-04	7.33E-04	7.32E-04	7.20E-04	1.22E-04
AM241	2.51E-02	6.51E-02	1.03E-01	2.06E-01	3.47E-01	5.41E-01	7.57E-01	7.65E-01	1.82E-01	1.30E-06	0.00E+00
AM242M	3.53E-05	3.52E-05	3.50E-05	3.45E-05	3.38E-05	3.22E-05	2.81E-05	2.24E-05	3.70E-07	5.61E-25	0.00E+00
AM242	1.03E-04	1.03E-04	1.03E-04	1.01E-04	9.88E-05	9.44E-05	8.24E-05	6.56E-05	1.08E-06	1.64E-24	0.00E+00
AM243	4.45E-04	4.45E-04	4.44E-04	4.44E-04	4.44E-04	4.44E-04	4.42E-04	4.40E-04	4.05E-04	1.74E-04	4.23E-13
CM242	4.17E-01	9.06E-02	2.13E-02	2.84E-03	2.59E-03	2.48E-03	2.16E-03	1.72E-03	2.84E-05	4.32E-23	0.00E+00
CM243	1.74E-03	1.70E-03	1.66E-03	1.54E-03	1.37E-03	1.07E-03	5.17E-04	1.53E-04	4.80E-14	0.00E+00	0.00E+00
CM244	2.92E-02	2.81E-02	2.71E-02	2.41E-02	1.99E-02	1.36E-02	4.31E-03	6.36E-04	7.03E-19	0.00E+00	0.00E+00
CM245	2.71E-06	2.71E-06	2.70E-06	2.70E-06	2.70E-06	2.70E-06	2.69E-06	2.68E-06	2.49E-06	1.20E-06	0.00E+00
CM246	1.12E-07	1.12E-07	1.12E-07	1.12E-07	1.12E-07	1.12E-07	1.12E-07	1.11E-07	9.72E-08	2.60E-08	2.63E-36
Summe	1.80E+00	1.50E+00	1.46E+00	1.52E+00	1.62E+00	1.73E+00	1.76E+00	1.54E+00	4.99E-01	1.74E-01	1.71E-03

SBR mit LWR-Pu , WA-Zeitpunkt 1A / MAWC
 Konzentrationen der Spaltproduktelemente [G/TSM]

	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
H	1.09E-01	1.03E-01	9.77E-02	8.26E-02	6.24E-02	3.56E-02	6.61E-03	4.00E-04	0.00E+00	0.00E+00	0.00E+00
C	5.65E-03	5.65E-03	5.65E-03	5.65E-03	5.65E-03	5.64E-03	5.62E-03	5.58E-03	5.01E-03	1.69E-03	0.00E+00
SE	3.97E-02	3.97E-02	3.97E-02	3.97E-02	3.97E-02	3.97E-02	3.97E-02	3.97E-02	3.96E-02	3.92E-02	3.48E-02
BR	1.25E-03	1.26E-03	1.26E-03	1.26E-03	1.26E-03	1.26E-03	1.26E-03	1.26E-03	1.31E-03	1.75E-03	6.19E-03
RB	2.53E-02	2.53E-02	2.53E-02	2.53E-02	2.53E-02	2.53E-02	2.53E-02	2.53E-02	2.53E-02	2.53E-02	2.53E-02
SR	5.77E-02	5.68E-02	5.61E-02	5.38E-02	5.04E-02	4.46E-02	3.37E-02	2.64E-02	2.32E-02	2.32E-02	2.32E-02
Y	3.07E-02	3.06E-02	3.06E-02	3.06E-02	3.06E-02	3.06E-02	3.06E-02	3.06E-02	3.06E-02	3.06E-02	3.06E-02
ZR	1.07E+01	1.07E+01	1.07E+01	1.07E+01	1.07E+01	1.07E+01	1.07E+01	1.07E+01	1.07E+01	1.07E+01	9.93E+00
MO	1.82E+00	1.83E+00	1.83E+00	1.83E+00	1.83E+00	1.83E+00	1.83E+00	1.83E+00	1.83E+00	1.83E+00	1.83E+00
TC	4.87E-01	4.87E-01	4.87E-01	4.87E-01	4.87E-01	4.87E-01	4.87E-01	4.87E-01	4.85E-01	4.71E-01	1.88E-02
RU	7.16E+00	6.95E+00	6.84E+00	6.74E+00	6.73E+00	6.73E+00	6.73E+00	6.73E+00	6.73E+00	6.75E+00	7.20E+00
RH	2.08E+00	2.08E+00	2.08E+00	2.08E+00	2.08E+00	2.08E+00	2.08E+00	2.08E+00	2.08E+00	2.08E+00	2.08E+00
PD	1.42E+00	1.63E+00	1.73E+00	1.83E+00	1.84E+00	1.84E+00	1.84E+00	1.84E+00	1.84E+00	1.84E+00	1.81E+00
AG	2.56E-02	2.56E-02	2.56E-02	2.56E-02	2.56E-02	2.56E-02	2.56E-02	2.56E-02	2.56E-02	2.59E-02	5.47E-02
CD	1.57E-02	1.57E-02	1.57E-02	1.57E-02	1.56E-02	1.56E-02	1.56E-02	1.56E-02	1.56E-02	1.56E-02	1.56E-02
IN	1.34E-03	1.34E-03	1.34E-03	1.35E-03	1.37E-03	1.39E-03	1.41E-03	1.42E-03	1.42E-03	1.42E-03	1.42E-03
SN	1.31E-01	1.31E-01	1.31E-01	1.31E-01	1.31E-01	1.31E-01	1.31E-01	1.31E-01	1.31E-01	1.28E-01	8.05E-02
SB	3.49E-02	3.16E-02	2.89E-02	2.40E-02	2.09E-02	1.98E-02	1.97E-02	1.97E-02	1.97E-02	1.97E-02	1.97E-02
TE	6.70E-01	6.73E-01	6.76E-01	6.81E-01	6.84E-01	6.85E-01	6.85E-01	6.85E-01	6.85E-01	6.88E-01	7.36E-01
I	3.99E-02	4.02E-02	4.03E-02	4.03E-02	4.03E-02	4.03E-02	4.03E-02	4.03E-02	4.03E-02	4.03E-02	3.90E-02
CS	4.56E-01	4.52E-01	4.48E-01	4.39E-01	4.24E-01	4.01E-01	3.56E-01	3.25E-01	3.11E-01	3.11E-01	2.68E-01
BA	1.60E-01	1.64E-01	1.67E-01	1.77E-01	1.91E-01	2.15E-01	2.60E-01	2.91E-01	3.05E-01	3.05E-01	3.47E-01
LA	1.37E-01	1.37E-01	1.37E-01	1.37E-01	1.37E-01	1.37E-01	1.37E-01	1.37E-01	1.37E-01	1.37E-01	1.37E-01
CE	2.65E-01	2.54E-01	2.50E-01	2.47E-01	2.47E-01	2.47E-01	2.47E-01	2.47E-01	2.47E-01	2.47E-01	2.47E-01
PR	1.31E-01	1.31E-01	1.31E-01	1.31E-01	1.31E-01	1.31E-01	1.31E-01	1.31E-01	1.31E-01	1.31E-01	1.31E-01
ND	3.98E-01	4.09E-01	4.13E-01	4.16E-01	4.16E-01	4.16E-01	4.16E-01	4.16E-01	4.16E-01	4.16E-01	4.16E-01
PM	3.09E-02	2.37E-02	1.82E-02	8.25E-03	2.20E-03	1.57E-04	5.67E-08	1.04E-13	0.00E+00	0.00E+00	0.00E+00
SM	1.04E-01	1.11E-01	1.16E-01	1.26E-01	1.31E-01	1.32E-01	1.28E-01	1.24E-01	1.15E-01	1.15E-01	1.15E-01
EU	1.48E-02	1.43E-02	1.40E-02	1.32E-02	1.27E-02	1.31E-02	1.61E-02	2.03E-02	2.92E-02	2.92E-02	2.92E-02
GD	9.93E-03	1.05E-02	1.10E-02	1.22E-02	1.34E-02	1.43E-02	1.47E-02	1.47E-02	1.47E-02	1.47E-02	1.47E-02
Summe	2.66E+01	2.65E+01	2.65E+01	2.65E+01	2.65E+01	2.65E+01	2.65E+01	2.64E+01	2.64E+01	2.64E+01	2.64E+01

SBR mit LWR-Pu , WA-Zeitpunkt 1A / MAWC												
Radioaktivität der Spaltprodukt nuklide [Ci/TSM]												
ZEITEN NACH DER WIEDERAUFARBEITUNG [A]												
		0	1	2	5	10	20	50	100	1000	10000	1000000
H	3	1.06E+03	9.98E+02	9.44E+02	7.97E+02	6.02E+02	3.44E+02	6.38E+01	3.86E+00	0.00E+00	0.00E+00	0.00E+00
C	14	2.52E-02	2.52E-02	2.52E-02	2.52E-02	2.52E-02	2.51E-02	2.51E-02	2.49E-02	2.23E-02	7.52E-03	0.00E+00
SE	79	3.44E-04	3.44E-04	3.44E-04	3.44E-04	3.44E-04	3.44E-04	3.44E-04	3.44E-04	3.40E-04	3.09E-04	8.01E-09
SR	90	4.70E+00	4.59E+00	4.48E+00	4.17E+00	3.70E+00	2.92E+00	1.43E+00	4.35E-01	2.17E-10	0.00E+00	0.00E+00
Y	90	4.70E+00	4.59E+00	4.48E+00	4.17E+00	3.70E+00	2.92E+00	1.43E+00	4.35E-01	2.17E-10	0.00E+00	0.00E+00
ZR	93	5.46E-03	5.46E-03	5.46E-03	5.46E-03	5.46E-03	5.46E-03	5.46E-03	5.46E-03	5.46E-03	5.43E-03	3.47E-03
NB	93M	1.50E-05	2.72E-04	5.16E-04	1.18E-03	2.08E-03	3.32E-03	4.78E-03	5.15E-03	5.18E-03	5.16E-03	3.30E-03
TC	99	8.26E-03	8.26E-03	8.26E-03	8.26E-03	8.26E-03	8.26E-03	8.25E-03	8.25E-03	8.23E-03	7.99E-03	3.19E-04
RU	106	1.43E+03	7.17E+02	3.60E+02	4.58E+01	1.47E+00	1.59E-03	1.75E-12	2.07E-27	0.00E+00	0.00E+00	0.00E+00
RH	106	1.28E+03	7.17E+02	3.60E+02	4.58E+01	1.47E+00	1.59E-03	1.75E-12	2.07E-27	0.00E+00	0.00E+00	0.00E+00
CD	113M	1.73E-02	1.65E-02	1.57E-02	1.36E-02	1.07E-02	6.68E-03	1.61E-03	1.49E-04	4.06E-23	0.00E+00	0.00E+00
SN	119M	1.47E-01	5.23E-02	1.86E-02	8.40E-04	4.80E-06	1.57E-10	5.44E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SN	121M	1.44E-03	1.42E-03	1.40E-03	1.34E-03	1.25E-03	1.09E-03	7.19E-04	3.59E-04	1.37E-09	0.00E+00	0.00E+00
SN	126	1.44E-03	1.44E-03	1.44E-03	1.44E-03	1.44E-03	1.44E-03	1.44E-03	1.44E-03	1.43E-03	1.35E-03	1.44E-06
SB	125	1.59E+01	1.24E+01	9.62E+00	4.53E+00	1.29E+00	1.05E-01	5.62E-05	1.99E-10	0.00E+00	0.00E+00	0.00E+00
SB	126	1.41E-04	2.02E-04	2.02E-04	2.02E-04	2.02E-04	2.02E-04	2.02E-04	2.02E-04	2.01E-04	1.88E-04	2.01E-07
SB	126M	1.01E-03	1.44E-03	1.44E-03	1.44E-03	1.44E-03	1.44E-03	1.44E-03	1.44E-03	1.43E-03	1.35E-03	1.44E-06
TE	125M	5.52E+00	3.04E+00	2.35E+00	1.11E+00	3.15E-01	2.56E-02	1.37E-05	4.85E-11	0.00E+00	0.00E+00	0.00E+00
CS	134	2.34E+00	1.67E+00	1.19E+00	4.36E-01	8.12E-02	2.82E-03	1.18E-07	5.93E-15	0.00E+00	0.00E+00	0.00E+00
CS	135	1.88E-04	1.88E-04	1.88E-04	1.88E-04	1.88E-04	1.88E-04	1.88E-04	1.88E-04	1.88E-04	1.88E-04	1.39E-04
CS	137	1.24E+01	1.21E+01	1.19E+01	1.11E+01	9.87E+00	7.83E+00	3.92E+00	1.23E+00	1.15E-09	0.00E+00	0.00E+00
BA	137M	1.18E+01	1.15E+01	1.12E+01	1.05E+01	9.33E+00	7.41E+00	3.71E+00	1.17E+00	1.09E-09	0.00E+00	0.00E+00
CE	144	5.91E+01	2.43E+01	9.96E+00	6.89E-01	8.03E-03	1.09E-06	2.73E-18	1.26E-37	0.00E+00	0.00E+00	0.00E+00
PR	144	5.91E+01	2.43E+01	9.96E+00	6.89E-01	8.03E-03	1.09E-06	2.73E-18	1.26E-37	0.00E+00	0.00E+00	0.00E+00
PR	144M	7.09E-01	2.91E-01	1.20E-01	8.27E-03	9.64E-05	1.31E-08	3.28E-20	1.51E-39	0.00E+00	0.00E+00	0.00E+00
PM	147	2.87E+01	2.20E+01	1.69E+01	7.65E+00	2.04E+00	1.45E-01	5.26E-05	9.67E-11	0.00E+00	0.00E+00	0.00E+00
SM	151	5.07E-01	5.04E-01	5.00E-01	4.88E-01	4.70E-01	4.35E-01	3.45E-01	2.35E-01	2.30E-04	0.00E+00	0.00E+00
EU	152	1.20E-03	1.14E-03	1.08E-03	9.29E-04	7.20E-04	4.33E-04	9.38E-05	7.34E-06	8.92E-26	0.00E+00	0.00E+00
EU	154	2.10E-01	1.93E-01	1.78E-01	1.40E-01	9.36E-02	4.18E-02	3.73E-03	6.64E-05	0.00E+00	0.00E+00	0.00E+00
EU	155	1.88E+00	1.63E+00	1.42E+00	9.34E-01	4.64E-01	1.15E-01	1.74E-03	1.60E-06	0.00E+00	0.00E+00	0.00E+00
Summe		4.17E+03	2.57E+03	1.75E+03	9.36E+02	6.37E+02	3.66E+02	7.47E+01	7.41E+00	4.52E-02	2.96E-02	7.37E-03

SBR mit LWR-Pu , WA-Zeitpunkt 1A / MAWC
 Wärmeleistung der Spaltprodukt nuklide [W/TSM]

		ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
		0	1	2	5	10	20	50	100	1000	10000	1000000
H	3	3.57E-02	3.37E-02	3.19E-02	2.69E-02	2.03E-02	1.16E-02	2.16E-03	1.30E-04	0.00E+00	0.00E+00	0.00E+00
C	14	7.40E-06	7.40E-06	7.39E-06	7.39E-06	7.39E-06	7.38E-06	7.35E-06	7.31E-06	6.55E-06	2.21E-06	0.00E+00
SR	90	5.45E-03	5.33E-03	5.20E-03	4.84E-03	4.30E-03	3.39E-03	1.66E-03	5.05E-04	2.52E-13	0.00E+00	0.00E+00
Y	90	2.60E-02	2.54E-02	2.48E-02	2.31E-02	2.05E-02	1.62E-02	7.93E-03	2.41E-03	1.21E-12	0.00E+00	0.00E+00
ZR	93	6.34E-07	6.34E-07	6.34E-07	6.34E-07	6.34E-07	6.34E-07	6.34E-07	6.34E-07	6.34E-07	6.31E-07	4.03E-07
NB	93M	2.67E-09	4.82E-08	9.15E-08	2.09E-07	3.69E-07	5.88E-07	8.48E-07	9.14E-07	9.19E-07	9.15E-07	5.84E-07
TC	99	4.14E-06	4.14E-06	4.14E-06	4.14E-06	4.14E-06	4.14E-06	4.14E-06	4.14E-06	4.13E-06	4.01E-06	1.60E-07
RU	106	8.45E-02	4.25E-02	2.14E-02	2.72E-03	8.73E-05	9.41E-08	1.04E-16	1.22E-31	0.00E+00	0.00E+00	0.00E+00
RH	106	1.23E+01	6.88E+00	3.46E+00	4.40E-01	1.41E-02	1.52E-05	1.68E-14	1.98E-29	0.00E+00	0.00E+00	0.00E+00
AG	110M	6.41E-04	2.33E-04	8.45E-05	4.05E-06	2.55E-08	1.02E-12	6.47E-26	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CD	113M	2.91E-05	2.77E-05	2.64E-05	2.29E-05	1.81E-05	1.12E-05	2.70E-06	2.52E-07	6.84E-26	0.00E+00	0.00E+00
SN	119M	7.60E-05	2.71E-05	9.63E-06	4.34E-07	2.48E-09	8.09E-14	2.81E-27	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SN	121M	2.88E-06	2.84E-06	2.80E-06	2.69E-06	2.51E-06	2.18E-06	1.44E-06	7.20E-07	2.74E-12	0.00E+00	0.00E+00
SN	123	3.54E-03	4.99E-04	7.03E-05	1.97E-07	1.09E-11	3.38E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SN	126	1.80E-06	1.80E-06	1.80E-06	1.80E-06	1.80E-06	1.80E-06	1.80E-06	1.80E-06	1.79E-06	1.68E-06	1.79E-09
SB	125	4.97E-02	3.87E-02	3.01E-02	1.42E-02	4.04E-03	3.28E-04	1.76E-07	6.21E-13	0.00E+00	0.00E+00	0.00E+00
SB	126	2.61E-06	3.73E-06	3.73E-06	3.73E-06	3.73E-06	3.73E-06	3.73E-06	3.73E-06	3.71E-06	3.48E-06	3.72E-09
SB	126M	1.29E-05	1.84E-05	1.84E-05	1.84E-05	1.84E-05	1.84E-05	1.84E-05	1.84E-05	1.82E-05	1.71E-05	1.83E-08
TE	125M	4.64E-03	2.55E-03	1.97E-03	9.29E-04	2.65E-04	2.15E-05	1.15E-08	4.08E-14	0.00E+00	0.00E+00	0.00E+00
CS	134	2.38E-02	1.70E-02	1.22E-02	4.44E-03	8.27E-04	2.87E-05	1.20E-09	6.04E-17	0.00E+00	0.00E+00	0.00E+00
CS	137	1.38E-02	1.34E-02	1.31E-02	1.23E-02	1.09E-02	8.66E-03	4.33E-03	1.36E-03	1.28E-12	0.00E+00	0.00E+00
BA	137M	4.62E-02	4.51E-02	4.41E-02	4.11E-02	3.67E-02	2.91E-02	1.45E-02	4.58E-03	4.29E-12	0.00E+00	0.00E+00
CE	144	3.92E-02	1.61E-02	6.61E-03	4.57E-04	5.33E-06	7.23E-10	1.81E-21	8.37E-41	0.00E+00	0.00E+00	0.00E+00
PR	144	4.34E-01	1.78E-01	7.32E-02	5.06E-03	5.90E-05	8.02E-09	2.01E-20	9.28E-40	0.00E+00	0.00E+00	0.00E+00
PR	144M	2.43E-04	9.96E-05	4.09E-05	2.83E-06	3.30E-08	4.48E-12	1.12E-23	5.18E-43	0.00E+00	0.00E+00	0.00E+00
PM	147	1.03E-02	7.89E-03	6.06E-03	2.74E-03	7.32E-04	5.22E-05	1.89E-08	3.47E-14	0.00E+00	0.00E+00	0.00E+00
SM	151	5.96E-05	5.91E-05	5.86E-05	5.73E-05	5.51E-05	5.11E-05	4.05E-05	2.76E-05	2.70E-08	0.00E+00	0.00E+00
EU	152	9.09E-06	8.64E-06	8.21E-06	7.05E-06	5.46E-06	3.28E-06	7.11E-07	5.57E-08	6.76E-28	0.00E+00	0.00E+00
EU	154	1.88E-03	1.73E-03	1.60E-03	1.25E-03	8.38E-04	3.74E-04	3.34E-05	5.94E-07	0.00E+00	0.00E+00	0.00E+00
EU	155	1.37E-03	1.19E-03	1.03E-03	6.79E-04	3.38E-04	8.35E-05	1.26E-06	1.17E-09	0.00E+00	0.00E+00	0.00E+00
Summe		1.40E+01	7.35E+00	3.73E+00	5.80E-01	1.14E-01	6.99E-02	3.07E-02	9.06E-03	3.62E-05	3.02E-05	1.23E-06

SBR mit LWR-Pu , WA-Zeitpunkt 1A / FKS
Radioaktivität der Aktinidennuklide [Ci/TSM]

	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
TL208	0.00E+00	2.13E-06	5.40E-06	1.60E-05	2.65E-05	2.98E-05	2.29E-05	1.41E-05	2.45E-09	6.17E-10	1.57E-07
PB212	0.00E+00	5.92E-06	1.50E-05	4.45E-05	7.39E-05	8.30E-05	6.37E-05	3.93E-05	6.83E-09	1.72E-09	4.38E-07
BI212	0.00E+00	5.92E-06	1.50E-05	4.45E-05	7.39E-05	8.30E-05	6.37E-05	3.93E-05	6.83E-09	1.72E-09	4.38E-07
PO212	0.00E+00	3.80E-06	9.64E-06	2.85E-05	4.74E-05	5.32E-05	4.08E-05	2.52E-05	4.38E-09	1.10E-09	2.81E-07
PO216	0.00E+00	5.92E-06	1.50E-05	4.45E-05	7.39E-05	8.30E-05	6.37E-05	3.93E-05	6.83E-09	1.72E-09	4.38E-07
RN220	0.00E+00	5.92E-06	1.50E-05	4.45E-05	7.39E-05	8.30E-05	6.37E-05	3.93E-05	6.83E-09	1.72E-09	4.38E-07
RA224	0.00E+00	5.92E-06	1.50E-05	4.45E-05	7.39E-05	8.30E-05	6.37E-05	3.93E-05	6.83E-09	1.72E-09	4.38E-07
TH228	0.00E+00	5.92E-06	1.50E-05	4.45E-05	7.38E-05	8.30E-05	6.37E-05	3.93E-05	6.83E-09	1.72E-09	4.38E-07
TH230	0.00E+00	3.84E-09	1.14E-08	5.56E-08	2.00E-07	7.43E-07	4.17E-06	1.47E-05	4.36E-04	4.41E-03	4.76E-03
TH231	0.00E+00	5.88E-06	5.90E-06	5.97E-06	6.07E-06	6.29E-06	6.94E-06	8.03E-06	2.73E-05	1.94E-04	7.59E-04
TH234	0.00E+00	2.82E-04	2.82E-04	2.82E-04	2.82E-04	2.82E-04	2.82E-04	2.82E-04	2.82E-04	2.82E-04	2.91E-04
PA233	0.00E+00	1.01E-06	3.90E-06	2.30E-05	8.49E-05	2.92E-04	1.24E-03	3.06E-03	2.04E-02	2.57E-02	1.86E-02
PA234M	0.00E+00	2.82E-04	2.82E-04	2.82E-04	2.82E-04	2.82E-04	2.82E-04	2.82E-04	2.82E-04	2.82E-04	2.91E-04
PA234	0.00E+00	3.66E-07	3.66E-07	3.66E-07	3.66E-07	3.66E-07	3.66E-07	3.66E-07	3.66E-07	3.66E-07	3.78E-07
U 232	9.19E-06	2.79E-05	4.23E-05	6.85E-05	8.31E-05	8.20E-05	6.20E-05	3.83E-05	6.62E-09	0.00E+00	0.00E+00
U 233	2.33E-08	2.33E-08	2.33E-08	2.35E-08	2.46E-08	3.25E-08	1.30E-07	6.00E-07	5.46E-05	1.04E-03	1.98E-02
U 234	2.22E-04	6.31E-04	1.04E-03	2.24E-03	4.18E-03	7.83E-03	1.72E-02	2.87E-02	5.21E-02	5.09E-02	3.35E-03
U 235	5.86E-06	5.88E-06	5.90E-06	5.97E-06	6.07E-06	6.29E-06	6.94E-06	8.03E-06	2.73E-05	1.94E-04	7.59E-04
U 236	1.84E-05	1.93E-05	2.03E-05	2.32E-05	2.80E-05	3.75E-05	6.62E-05	1.14E-04	9.28E-04	5.93E-03	8.80E-03
U 237	1.91E-02	9.12E-02	8.69E-02	7.52E-02	5.92E-02	3.66E-02	8.63E-03	7.78E-04	1.20E-22	4.26E-26	0.00E+00
U 238	2.82E-04	2.82E-04	2.82E-04	2.82E-04	2.82E-04	2.82E-04	2.82E-04	2.82E-04	2.82E-04	2.82E-04	2.91E-04
NP237	0.00E+00	1.01E-06	3.90E-06	2.30E-05	8.49E-05	2.92E-04	1.24E-03	3.06E-03	2.04E-02	2.57E-02	1.86E-02
NP240M	0.00E+00	4.05E-09	4.05E-09	4.05E-09	4.05E-09	4.05E-09	4.05E-09	4.05E-09	4.05E-09	4.04E-09	4.01E-09
PU238	1.45E+02	1.44E+02	1.43E+02	1.39E+02	1.34E+02	1.24E+02	9.78E+01	6.59E+01	5.39E-02	0.00E+00	0.00E+00
PU239	2.20E+01	2.20E+01	2.20E+01	2.20E+01	2.20E+01	2.20E+01	2.20E+01	2.20E+01	2.14E+01	1.65E+01	6.87E-12
PU240	3.24E+01	3.24E+01	3.24E+01	3.24E+01	3.24E+01	3.23E+01	3.22E+01	3.20E+01	2.91E+01	1.12E+01	4.01E-09
PU241	3.82E+03	3.64E+03	3.47E+03	3.01E+03	2.36E+03	1.46E+03	3.45E+02	3.11E+01	4.80E-18	1.70E-21	0.00E+00
PU242	1.24E-01	1.24E-01	1.24E-01	1.24E-01	1.24E-01	1.24E-01	1.24E-01	1.24E-01	1.24E-01	1.22E-01	2.07E-02
PU244	4.05E-09	4.05E-09	4.05E-09	4.05E-09	4.05E-09	4.05E-09	4.05E-09	4.05E-09	4.05E-09	4.05E-09	4.02E-09
AM241	0.00E+00	5.98E+00	1.17E+01	2.71E+01	4.82E+01	7.73E+01	1.10E+02	1.11E+02	2.65E+01	1.43E-05	0.00E+00
Summe	4.02E+03	3.85E+03	3.68E+03	3.23E+03	2.60E+03	1.72E+03	6.07E+02	2.62E+02	7.73E+01	2.80E+01	3.05E-01

SBR mit LWR-Pu , WA-Zeitpunkt 1A / FKS Wärmeleistung der Aktinidennuklide [W/TSM]											
	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
TL208	0.00E+00	5.00E-08	1.27E-07	3.76E-07	6.24E-07	7.01E-07	5.38E-07	3.32E-07	5.77E-11	1.45E-11	3.70E-09
PB212	0.00E+00	1.13E-08	2.86E-08	8.47E-08	1.41E-07	1.58E-07	1.21E-07	7.49E-08	1.30E-11	3.27E-12	8.33E-10
BI212	0.00E+00	1.01E-07	2.56E-07	7.57E-07	1.26E-06	1.41E-06	1.08E-06	6.69E-07	1.16E-10	2.92E-11	7.44E-09
PO212	0.00E+00	2.02E-07	5.12E-07	1.51E-06	2.51E-06	2.82E-06	2.17E-06	1.34E-06	2.32E-10	5.85E-11	1.49E-08
PO216	0.00E+00	2.34E-07	5.95E-07	1.76E-06	2.92E-06	3.28E-06	2.52E-06	1.56E-06	2.70E-10	6.80E-11	1.73E-08
RN220	0.00E+00	2.25E-07	5.71E-07	1.69E-06	2.81E-06	3.15E-06	2.42E-06	1.49E-06	2.59E-10	6.53E-11	1.66E-08
RA224	0.00E+00	2.03E-07	5.16E-07	1.53E-06	2.54E-06	2.85E-06	2.18E-06	1.35E-06	2.34E-10	5.90E-11	1.50E-08
TH228	0.00E+00	1.94E-07	4.91E-07	1.45E-06	2.42E-06	2.71E-06	2.08E-06	1.29E-06	2.23E-10	5.62E-11	1.43E-08
TH230	0.00E+00	1.09E-10	3.21E-10	1.57E-09	5.66E-09	2.10E-08	1.18E-07	4.14E-07	1.23E-05	1.25E-04	1.35E-04
TH231	0.00E+00	3.30E-09	3.31E-09	3.35E-09	3.41E-09	3.53E-09	3.90E-09	4.50E-09	1.53E-08	1.09E-07	4.26E-07
TH234	0.00E+00	1.14E-07	1.14E-07	1.14E-07	1.14E-07	1.14E-07	1.14E-07	1.14E-07	1.14E-07	1.14E-07	1.18E-07
PA231	0.00E+00	3.79E-12	7.61E-12	1.91E-11	3.86E-11	7.85E-11	2.07E-10	4.48E-10	1.06E-08	6.28E-07	2.32E-05
PA233	0.00E+00	2.28E-09	8.85E-09	5.22E-08	1.93E-07	6.63E-07	2.82E-06	6.95E-06	4.63E-05	5.82E-05	4.23E-05
PA234M	0.00E+00	1.39E-06	1.39E-06	1.39E-06	1.39E-06	1.39E-06	1.39E-06	1.39E-06	1.39E-06	1.39E-06	1.44E-06
PA234	0.00E+00	5.26E-09	5.26E-09	5.26E-09	5.26E-09	5.26E-09	5.26E-09	5.26E-09	5.26E-09	5.26E-09	5.42E-09
U 232	2.95E-07	8.95E-07	1.36E-06	2.20E-06	2.67E-06	2.63E-06	1.99E-06	1.23E-06	2.12E-10	0.00E+00	0.00E+00
U 233	6.79E-10	6.79E-10	6.79E-10	6.84E-10	7.16E-10	9.45E-10	3.77E-09	1.75E-08	1.59E-06	3.04E-05	5.75E-04
U 234	6.38E-06	1.82E-05	2.99E-05	6.44E-05	1.20E-04	2.25E-04	4.95E-04	8.25E-04	1.50E-03	1.46E-03	9.63E-05
U 235	1.62E-07	1.63E-07	1.64E-07	1.65E-07	1.68E-07	1.75E-07	1.93E-07	2.23E-07	7.56E-07	5.39E-06	2.10E-05
U 236	4.98E-07	5.24E-07	5.50E-07	6.28E-07	7.57E-07	1.02E-06	1.79E-06	3.08E-06	2.51E-05	1.61E-04	2.38E-04
U 237	3.62E-05	1.73E-04	1.64E-04	1.42E-04	1.12E-04	6.92E-05	1.63E-05	1.47E-06	2.27E-25	8.06E-29	0.00E+00
U 238	7.13E-06	7.13E-06	7.13E-06	7.13E-06	7.13E-06	7.13E-06	7.13E-06	7.13E-06	7.13E-06	7.13E-06	7.35E-06
NP237	0.00E+00	2.96E-08	1.15E-07	6.76E-07	2.49E-06	8.59E-06	3.66E-05	9.00E-05	5.99E-04	7.54E-04	5.47E-04
PU238	4.81E+00	4.77E+00	4.74E+00	4.62E+00	4.45E+00	4.11E+00	3.24E+00	2.18E+00	1.79E-03	0.00E+00	0.00E+00
PU239	6.85E-01	6.85E-01	6.85E-01	6.85E-01	6.85E-01	6.85E-01	6.84E-01	6.83E-01	6.66E-01	5.14E-01	2.13E-13
PU240	1.01E+00	1.01E+00	1.01E+00	1.01E+00	1.01E+00	1.01E+00	1.00E+00	9.98E-01	9.07E-01	3.50E-01	1.25E-10
PU241	1.18E-01	1.12E-01	1.07E-01	9.27E-02	7.28E-02	4.50E-02	1.06E-02	9.58E-04	1.48E-22	5.25E-26	0.00E+00
PU242	3.66E-03	3.66E-03	3.66E-03	3.66E-03	3.66E-03	3.66E-03	3.66E-03	3.66E-03	3.66E-03	3.60E-03	6.11E-04
PU244	1.17E-10	1.17E-10	1.17E-10	1.17E-10	1.17E-10	1.17E-10	1.17E-10	1.17E-10	1.17E-10	1.17E-10	1.16E-10
AM241	0.00E+00	2.00E-01	3.90E-01	9.07E-01	1.61E+00	2.58E+00	3.67E+00	3.72E+00	8.86E-01	4.80E-07	0.00E+00
Summe	6.63E+00	6.78E+00	6.93E+00	7.32E+00	7.83E+00	8.43E+00	8.61E+00	7.59E+00	2.47E+00	8.70E-01	7.39E-03

SBR mit LWR-Pu , WA-Zeitpunkt 1A / FKS
 Konzentrationen der Spaltproduktelemente [G/TSM]

	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
H	1.09E-01	1.03E-01	9.77E-02	8.26E-02	6.24E-02	3.56E-02	6.61E-03	4.00E-04	0.00E+00	0.00E+00	0.00E+00
C	5.65E-03	5.65E-03	5.65E-03	5.65E-03	5.65E-03	5.64E-03	5.62E-03	5.58E-03	5.01E-03	1.69E-03	0.00E+00
ZR	9.48E+02	9.47E+02	9.47E+02	9.47E+02	9.47E+02	9.47E+02	9.47E+02	9.47E+02	9.47E+02	9.46E+02	8.77E+02
NB	0.00E+00	1.53E-02	4.78E-04	4.36E-04	8.71E-04	1.74E-03	4.36E-03	8.71E-03	8.71E-02	8.69E-01	7.01E+01
MO	1.75E+03	1.75E+03	1.75E+03	1.75E+03	1.75E+03	1.75E+03	1.75E+03	1.75E+03	1.75E+03	1.75E+03	1.75E+03
TC	4.48E+02	4.48E+02	4.48E+02	4.48E+02	4.48E+02	4.48E+02	4.48E+02	4.48E+02	4.46E+02	4.34E+02	1.73E+01
RU	2.04E+03	1.98E+03	1.95E+03	1.92E+03	1.92E+03	1.92E+03	1.92E+03	1.92E+03	1.92E+03	1.93E+03	2.35E+03
RH	7.50E+02	7.50E+02	7.50E+02	7.50E+02	7.50E+02	7.50E+02	7.50E+02	7.50E+02	7.50E+02	7.50E+02	7.50E+02
PD	8.49E+02	9.10E+02	9.40E+02	9.67E+02	9.71E+02	9.71E+02	9.71E+02	9.71E+02	9.71E+02	9.71E+02	9.53E+02
AG	0.00E+00	1.84E-05	3.67E-05	9.19E-05	1.84E-04	3.67E-04	9.19E-04	1.84E-03	1.84E-02	1.84E-01	1.74E+01
SB	1.59E+01	1.44E+01	1.32E+01	1.09E+01	9.49E+00	8.97E+00	8.93E+00	8.93E+00	8.93E+00	8.93E+00	8.93E+00
TE	0.00E+00	1.56E+00	2.77E+00	5.01E+00	6.44E+00	6.96E+00	7.01E+00	7.01E+00	7.01E+00	7.01E+00	7.01E+00
Summe	6.80E+03	6.80E+03	6.80E+03	6.80E+03	6.80E+03	6.80E+03	6.80E+03	6.80E+03	6.80E+03	6.80E+03	6.80E+03

SBR mit LWR-Pu , WA-Zeitpunkt 1A / FKS												
Radioaktivität der Spaltprodukt nuklide [Ci/TSM]												
ZEITEN NACH DER WIEDERAUFARBEITUNG [A]												
		0	1	2	5	10	20	50	100	1000	10000	1000000
H	3	1.06E+03	9.98E+02	9.44E+02	7.97E+02	6.02E+02	3.44E+02	6.38E+01	3.86E+00	0.00E+00	0.00E+00	0.00E+00
C	14	2.52E-02	2.52E-02	2.52E-02	2.52E-02	2.52E-02	2.51E-02	2.51E-02	2.49E-02	2.23E-02	7.52E-03	0.00E+00
ZR	93	4.84E-01	4.84E-01	4.84E-01	4.84E-01	4.84E-01	4.84E-01	4.84E-01	4.84E-01	4.83E-01	4.81E-01	3.07E-01
ZR	95	1.41E+04	2.70E+02	5.16E+00	3.62E-05	9.29E-14	6.13E-31	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NB	93M	0.00E+00	2.28E-02	4.45E-02	1.03E-01	1.83E-01	2.94E-01	4.23E-01	4.57E-01	4.59E-01	4.57E-01	2.92E-01
NB	95	0.00E+00	5.96E+02	1.19E+01	8.03E-05	2.06E-13	1.36E-30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NB	95M	0.00E+00	2.00E+00	3.83E-02	2.68E-07	6.89E-16	4.55E-33	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TC	99	7.60E+00	7.60E+00	7.60E+00	7.60E+00	7.60E+00	7.59E+00	7.59E+00	7.59E+00	7.57E+00	7.35E+00	2.94E-01
RU	103	3.03E+03	4.89E+00	8.03E-03	3.23E-11	3.30E-25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RU	106	4.06E+05	2.04E+05	1.03E+05	1.31E+04	4.20E+02	4.53E-01	5.00E-10	5.89E-25	0.00E+00	0.00E+00	0.00E+00
RH	103M	3.11E+03	4.41E+00	7.24E-03	2.92E-11	2.97E-25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RH	106	4.63E+05	2.04E+05	1.03E+05	1.31E+04	4.20E+02	4.53E-01	5.00E-10	5.89E-25	0.00E+00	0.00E+00	0.00E+00
PD	107	8.86E-02	8.86E-02	8.86E-02	8.86E-02	8.86E-02	8.86E-02	8.86E-02	8.86E-02	8.86E-02	8.85E-02	7.96E-02
SB	124	5.77E+00	8.61E-02	1.28E-03	4.27E-09	3.16E-18	1.73E-36	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SB	125	7.27E+03	5.65E+03	4.40E+03	2.07E+03	5.90E+02	4.79E+01	2.57E-02	9.08E-08	0.00E+00	0.00E+00	0.00E+00
SB	126	6.46E-02	8.77E-11	1.19E-19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TE	125M	0.00E+00	1.36E+03	1.07E+03	5.05E+02	1.44E+02	1.17E+01	6.27E-03	2.22E-08	0.00E+00	0.00E+00	0.00E+00
Summe		8.98E+05	4.18E+05	2.12E+05	2.95E+04	2.18E+03	4.13E+02	7.25E+01	1.25E+01	8.62E+00	8.39E+00	9.73E-01

SBR mit LWR-Pu , WA-Zeitpunkt 1A / FKS
 Wärmeleistung der Spaltprodukt nuklide [W/TSM]

		ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
		0	1	2	5	10	20	50	100	1000	10000	1000000
H	3	3.57E-02	3.37E-02	3.19E-02	2.69E-02	2.03E-02	1.16E-02	2.16E-03	1.30E-04	0.00E+00	0.00E+00	0.00E+00
C	14	7.40E-06	7.40E-06	7.39E-06	7.39E-06	7.39E-06	7.38E-06	7.35E-06	7.31E-06	6.55E-06	2.21E-06	0.00E+00
ZR	93	5.62E-05	5.62E-05	5.62E-05	5.62E-05	5.62E-05	5.62E-05	5.62E-05	5.62E-05	5.62E-05	5.59E-05	3.57E-05
ZR	95	7.14E+01	1.37E+00	2.61E-02	1.83E-07	4.71E-16	3.10E-33	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NB	93M	0.00E+00	4.04E-06	7.89E-06	1.83E-05	3.25E-05	5.20E-05	7.50E-05	8.09E-05	8.14E-05	8.11E-05	5.18E-05
NB	95	0.00E+00	2.86E+00	5.69E-02	3.85E-07	9.90E-16	6.53E-33	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NB	95M	0.00E+00	2.78E-03	5.32E-05	3.73E-10	9.58E-19	6.32E-36	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TC	99	3.81E-03	3.81E-03	3.81E-03	3.81E-03	3.81E-03	3.81E-03	3.81E-03	3.81E-03	3.80E-03	3.69E-03	1.47E-04
RU	103	1.02E+01	1.64E-02	2.70E-05	1.09E-13	1.11E-27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RU	106	2.41E+01	1.21E+01	6.09E+00	7.74E-01	2.49E-02	2.69E-05	2.96E-14	3.49E-29	0.00E+00	0.00E+00	0.00E+00
RH	103M	7.16E-01	1.01E-03	1.66E-06	6.70E-15	6.84E-29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RH	106	4.44E+03	1.96E+03	9.85E+02	1.25E+02	4.03E+00	4.34E-03	4.80E-12	5.65E-27	0.00E+00	0.00E+00	0.00E+00
PD	107	5.25E-06	5.25E-06	5.25E-06	5.25E-06	5.25E-06	5.25E-06	5.25E-06	5.25E-06	5.25E-06	5.25E-06	4.72E-06
SB	124	7.66E-02	1.14E-03	1.71E-05	5.67E-11	4.20E-20	2.30E-38	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SB	125	2.27E+01	1.77E+01	1.37E+01	6.47E+00	1.84E+00	1.50E-01	8.03E-05	2.84E-10	0.00E+00	0.00E+00	0.00E+00
SB	126	1.19E-03	1.62E-12	2.20E-21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TE	125M	0.00E+00	1.14E+00	9.02E-01	4.25E-01	1.21E-01	9.83E-03	5.27E-06	1.86E-11	0.00E+00	0.00E+00	0.00E+00
Summe		4.57E+03	1.99E+03	1.01E+03	1.33E+02	6.04E+00	1.80E-01	6.19E-03	4.09E-03	3.95E-03	3.83E-03	2.39E-04

SBR mit LWR-Pu , WA-Zeitpunkt 1A / Brennelementfertigung
Radioaktivität der Aktinidennuklide [Ci/TSM]

	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
TL208	0.00E+00	2.27E-05	4.26E-05	8.55E-05	1.16E-04	1.21E-04	9.17E-05	5.67E-05	9.83E-09	1.54E-09	3.83E-07
PB212	0.00E+00	6.31E-05	1.19E-04	2.38E-04	3.24E-04	3.36E-04	2.55E-04	1.58E-04	2.74E-08	4.28E-09	1.07E-06
BI212	0.00E+00	6.31E-05	1.19E-04	2.38E-04	3.24E-04	3.36E-04	2.55E-04	1.58E-04	2.74E-08	4.28E-09	1.07E-06
PO212	0.00E+00	4.04E-05	7.61E-05	1.53E-04	2.08E-04	2.15E-04	1.64E-04	1.01E-04	1.75E-08	2.75E-09	6.83E-07
PO216	0.00E+00	6.31E-05	1.19E-04	2.38E-04	3.24E-04	3.36E-04	2.55E-04	1.58E-04	2.74E-08	4.28E-09	1.07E-06
RN220	0.00E+00	6.31E-05	1.19E-04	2.38E-04	3.24E-04	3.36E-04	2.55E-04	1.58E-04	2.74E-08	4.28E-09	1.07E-06
RN222	0.00E+00	9.28E-12	3.97E-11	2.95E-10	1.49E-09	8.37E-09	9.39E-08	6.11E-07	1.92E-04	8.50E-03	1.64E-02
RA224	0.00E+00	6.31E-05	1.19E-04	2.38E-04	3.24E-04	3.36E-04	2.55E-04	1.58E-04	2.74E-08	4.28E-09	1.07E-06
RA226	0.00E+00	9.28E-12	3.97E-11	2.95E-10	1.49E-09	8.37E-09	9.39E-08	6.11E-07	1.92E-04	8.50E-03	1.64E-02
TH228	0.00E+00	6.31E-05	1.18E-04	2.38E-04	3.24E-04	3.36E-04	2.55E-04	1.58E-04	2.74E-08	4.28E-09	1.07E-06
TH230	0.00E+00	4.43E-08	9.75E-08	3.09E-07	8.32E-07	2.48E-06	1.18E-05	3.87E-05	1.08E-03	1.09E-02	1.64E-02
TH231	0.00E+00	1.17E-04	1.17E-04	1.17E-04	1.18E-04	1.18E-04	1.20E-04	1.22E-04	1.69E-04	5.70E-04	1.92E-03
TH234	0.00E+00	5.63E-03	5.63E-03	5.63E-03	5.63E-03	5.63E-03	5.63E-03	5.63E-03	5.63E-03	5.63E-03	5.65E-03
PA233	0.00E+00	2.42E-06	9.36E-06	5.52E-05	2.04E-04	7.01E-04	2.99E-03	7.35E-03	4.89E-02	6.16E-02	4.47E-02
PA234M	0.00E+00	5.63E-03	5.63E-03	5.63E-03	5.63E-03	5.63E-03	5.63E-03	5.63E-03	5.63E-03	5.63E-03	5.65E-03
PA234	0.00E+00	7.32E-06	7.32E-06	7.32E-06	7.32E-06	7.32E-06	7.32E-06	7.32E-06	7.32E-06	7.32E-06	7.35E-06
U 232	1.84E-04	2.27E-04	2.60E-04	3.19E-04	3.46E-04	3.30E-04	2.49E-04	1.54E-04	2.66E-08	0.00E+00	0.00E+00
U 233	4.67E-07	4.67E-07	4.67E-07	4.67E-07	4.70E-07	4.89E-07	7.22E-07	1.85E-06	1.31E-04	2.51E-03	4.74E-02
U 234	4.43E-03	5.42E-03	6.39E-03	9.27E-03	1.39E-02	2.27E-02	4.52E-02	7.27E-02	1.29E-01	1.26E-01	1.29E-02
U 235	1.17E-04	1.17E-04	1.17E-04	1.17E-04	1.18E-04	1.18E-04	1.20E-04	1.22E-04	1.69E-04	5.70E-04	1.92E-03
U 236	3.68E-04	3.70E-04	3.72E-04	3.79E-04	3.91E-04	4.14E-04	4.82E-04	5.96E-04	2.55E-03	1.45E-02	2.14E-02
U 237	3.83E-01	2.19E-01	2.09E-01	1.81E-01	1.42E-01	8.77E-02	2.07E-02	1.87E-03	2.88E-22	4.26E-26	0.00E+00
U 238	5.63E-03	5.63E-03	5.63E-03	5.63E-03	5.63E-03	5.63E-03	5.63E-03	5.63E-03	5.63E-03	5.63E-03	5.65E-03
NP237	0.00E+00	2.42E-06	9.36E-06	5.52E-05	2.04E-04	7.01E-04	2.99E-03	7.35E-03	4.89E-02	6.16E-02	4.47E-02
PU238	3.48E+02	3.46E+02	3.43E+02	3.35E+02	3.22E+02	2.97E+02	2.35E+02	1.58E+02	1.29E-01	0.00E+00	0.00E+00
PU239	5.29E+01	5.29E+01	5.29E+01	5.29E+01	5.29E+01	5.29E+01	5.28E+01	5.27E+01	5.14E+01	3.97E+01	1.65E-11
PU240	7.77E+01	7.77E+01	7.77E+01	7.77E+01	7.76E+01	7.76E+01	7.73E+01	7.69E+01	6.99E+01	2.69E+01	9.63E-09
PU241	9.18E+03	8.75E+03	8.34E+03	7.21E+03	5.67E+03	3.51E+03	8.27E+02	7.46E+01	1.15E-17	1.70E-21	0.00E+00
PU242	2.98E-01	2.98E-01	2.98E-01	2.98E-01	2.98E-01	2.98E-01	2.98E-01	2.98E-01	2.97E-01	2.92E-01	4.96E-02
AM241	0.00E+00	1.44E+01	2.80E+01	6.51E+01	1.16E+02	1.85E+02	2.63E+02	2.67E+02	6.36E+01	3.44E-05	0.00E+00
Summe	9.66E+03	9.24E+03	8.84E+03	7.75E+03	6.24E+03	4.12E+03	1.46E+03	6.30E+02	1.86E+02	6.73E+01	8.03E-01

SBR mit LWR-Pu , WA-Zeitpunkt 1A / Brennelementfertigung Wärmeleistung der Aktinidennuklide [W/TSM]											
	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
TL208	0.00E+00	5.33E-07	1.00E-06	2.01E-06	2.74E-06	2.84E-06	2.16E-06	1.33E-06	2.31E-10	3.62E-11	9.01E-09
PB212	0.00E+00	1.20E-07	2.26E-07	4.53E-07	6.17E-07	6.40E-07	4.86E-07	3.01E-07	5.21E-11	8.16E-12	2.03E-09
BI212	0.00E+00	1.07E-06	2.02E-06	4.05E-06	5.51E-06	5.71E-06	4.34E-06	2.68E-06	4.65E-10	7.29E-11	1.81E-08
PO212	0.00E+00	2.15E-06	4.04E-06	8.10E-06	1.10E-05	1.14E-05	8.69E-06	5.37E-06	9.31E-10	1.46E-10	3.63E-08
PO216	0.00E+00	2.50E-06	4.70E-06	9.42E-06	1.28E-05	1.33E-05	1.01E-05	6.25E-06	1.08E-09	1.70E-10	4.22E-08
RN220	0.00E+00	2.40E-06	4.51E-06	9.04E-06	1.23E-05	1.28E-05	9.70E-06	5.99E-06	1.04E-09	1.63E-10	4.05E-08
RA224	0.00E+00	2.17E-06	4.07E-06	8.17E-06	1.11E-05	1.15E-05	8.77E-06	5.42E-06	9.39E-10	1.47E-10	3.66E-08
TH227	0.00E+00	1.40E-12	5.56E-12	3.37E-11	1.28E-10	4.66E-10	2.24E-09	6.33E-09	1.08E-07	2.48E-06	6.91E-05
TH228	0.00E+00	2.06E-06	3.88E-06	7.78E-06	1.06E-05	1.10E-05	8.36E-06	5.17E-06	8.95E-10	1.40E-10	3.49E-08
TH230	0.00E+00	1.25E-09	2.76E-09	8.74E-09	2.35E-08	7.03E-08	3.33E-07	1.09E-06	3.06E-05	3.09E-04	4.65E-04
TH231	0.00E+00	6.58E-08	6.58E-08	6.59E-08	6.61E-08	6.64E-08	6.72E-08	6.87E-08	9.46E-08	3.20E-07	1.08E-06
TH234	0.00E+00	2.28E-06	2.28E-06	2.28E-06	2.28E-06	2.28E-06	2.28E-06	2.28E-06	2.28E-06	2.28E-06	2.29E-06
PA231	0.00E+00	7.56E-11	1.52E-10	3.79E-10	7.59E-10	1.52E-09	3.82E-09	7.72E-09	9.14E-08	2.11E-06	5.87E-05
PA233	0.00E+00	5.49E-09	2.13E-08	1.25E-07	4.62E-07	1.59E-06	6.78E-06	1.67E-05	1.11E-04	1.40E-04	1.01E-04
PA234M	0.00E+00	2.78E-05	2.78E-05	2.78E-05	2.78E-05	2.78E-05	2.78E-05	2.78E-05	2.78E-05	2.78E-05	2.79E-05
PA234	0.00E+00	1.05E-07	1.05E-07	1.05E-07	1.05E-07	1.05E-07	1.05E-07	1.05E-07	1.05E-07	1.05E-07	1.06E-07
U 232	5.90E-06	7.29E-06	8.35E-06	1.02E-05	1.11E-05	1.06E-05	7.98E-06	4.93E-06	8.53E-10	0.00E+00	0.00E+00
U 233	1.36E-08	1.36E-08	1.36E-08	1.36E-08	1.37E-08	1.42E-08	2.10E-08	5.38E-08	3.82E-06	7.29E-05	1.38E-03
U 234	1.28E-04	1.56E-04	1.84E-04	2.67E-04	4.01E-04	6.53E-04	1.30E-03	2.09E-03	3.71E-03	3.63E-03	3.72E-04
U 235	3.25E-06	3.25E-06	3.25E-06	3.26E-06	3.26E-06	3.28E-06	3.32E-06	3.39E-06	4.67E-06	1.58E-05	5.34E-05
U 236	9.96E-06	1.00E-05	1.01E-05	1.03E-05	1.06E-05	1.12E-05	1.31E-05	1.62E-05	6.91E-05	3.94E-04	5.81E-04
U 237	7.24E-04	4.14E-04	3.95E-04	3.42E-04	2.69E-04	1.66E-04	3.92E-05	3.53E-06	5.46E-25	8.06E-29	0.00E+00
U 238	1.43E-04	1.43E-04	1.43E-04	1.43E-04	1.43E-04	1.43E-04	1.43E-04	1.43E-04	1.43E-04	1.43E-04	1.43E-04
NP237	0.00E+00	7.10E-08	2.75E-07	1.62E-06	5.98E-06	2.06E-05	8.77E-05	2.16E-04	1.44E-03	1.81E-03	1.31E-03
PU238	1.15E+01	1.15E+01	1.14E+01	1.11E+01	1.07E+01	9.86E+00	7.78E+00	5.24E+00	4.29E-03	0.00E+00	0.00E+00
PU239	1.64E+00	1.64E+00	1.64E+00	1.64E+00	1.64E+00	1.64E+00	1.64E+00	1.64E+00	1.60E+00	1.23E+00	5.12E-13
PU240	2.42E+00	2.42E+00	2.42E+00	2.42E+00	2.42E+00	2.42E+00	2.41E+00	2.40E+00	2.18E+00	8.39E-01	3.00E-10
PU241	2.83E-01	2.70E-01	2.57E-01	2.22E-01	1.75E-01	1.08E-01	2.55E-02	2.30E-03	3.55E-22	5.25E-26	0.00E+00
PU242	8.79E-03	8.79E-03	8.79E-03	8.79E-03	8.79E-03	8.79E-03	8.79E-03	8.79E-03	8.78E-03	8.64E-03	1.47E-03
AM241	0.00E+00	4.80E-01	9.36E-01	2.18E+00	3.87E+00	6.20E+00	8.80E+00	8.92E+00	2.13E+00	1.15E-06	0.00E+00
Summe	1.59E+01	1.63E+01	1.66E+01	1.76E+01	1.88E+01	2.02E+01	2.07E+01	1.82E+01	5.92E+00	2.09E+00	1.92E-02

SBR mit LWR-Pu , WA-Zeitpunkt 1A / Summe der Abfallströme
 Konzentrationen der Aktinidenelemente [G/TSM]

	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
HE	8.57E+00	9.15E+00	9.39E+00	9.82E+00	1.05E+01	1.16E+01	1.45E+01	1.82E+01	4.91E+01	7.73E+01	2.04E+02
TL	3.33E-12	2.44E-12	1.83E-12	1.00E-12	7.32E-13	6.81E-13	5.19E-13	3.23E-13	3.34E-14	2.02E-12	9.98E-11
PB	8.50E-07	1.80E-06	2.49E-06	3.81E-06	5.17E-06	7.49E-06	1.34E-05	2.02E-05	1.86E-04	9.90E-02	1.21E+02
BI	3.12E-10	2.66E-10	2.35E-10	2.00E-10	2.06E-10	2.70E-10	9.32E-10	6.04E-09	1.70E-05	3.44E-02	4.87E+02
PO	1.10E-14	1.70E-14	3.13E-14	1.26E-13	5.16E-13	2.22E-12	2.68E-11	2.50E-10	2.59E-07	1.31E-05	1.90E-05
AT	5.20E-21	5.26E-21	5.35E-21	5.86E-21	7.48E-21	1.38E-20	6.32E-20	2.84E-19	9.27E-17	1.54E-14	8.45E-13
RN	2.97E-12	2.18E-12	1.65E-12	9.40E-13	7.58E-13	9.13E-13	2.80E-12	1.53E-11	7.57E-09	3.84E-07	5.54E-07
FR	5.52E-17	6.08E-17	6.66E-17	8.54E-17	1.22E-16	2.16E-16	7.41E-16	2.83E-15	8.43E-13	1.40E-10	7.68E-09
RA	1.83E-08	1.50E-08	1.32E-08	1.31E-08	2.06E-08	5.15E-08	3.66E-07	2.33E-06	1.18E-03	5.97E-02	8.62E-02
AC	3.04E-10	4.98E-10	6.87E-10	1.23E-09	2.05E-09	3.45E-09	6.38E-09	9.52E-09	6.93E-08	2.23E-06	9.37E-05
TH	1.72E-04	1.63E-04	1.67E-04	1.90E-04	2.60E-04	5.14E-04	2.14E-03	7.47E-03	3.44E-01	3.97E+00	3.20E+01
PA	1.63E-05	1.65E-05	1.67E-05	1.72E-05	1.82E-05	2.01E-05	2.58E-05	3.51E-05	1.71E-04	2.84E-03	1.08E-01
U	2.27E+04	2.27E+04	2.27E+04	2.27E+04	2.27E+04	2.27E+04	2.27E+04	2.28E+04	2.30E+04	2.38E+04	2.60E+04
NP	1.88E+02	1.91E+02	1.95E+02	2.05E+02	2.23E+02	2.58E+02	3.62E+02	5.27E+02	2.04E+03	2.50E+03	1.82E+03
PU	2.64E+03	2.67E+03	2.67E+03	2.66E+03	2.64E+03	2.62E+03	2.60E+03	2.59E+03	2.50E+03	2.01E+03	2.76E+01
AM	2.97E+03	2.98E+03	2.98E+03	2.99E+03	3.00E+03	3.00E+03	2.93E+03	2.76E+03	1.11E+03	2.70E+02	6.57E-07
CM	1.51E+02	1.21E+02	1.11E+02	9.84E+01	8.26E+01	5.87E+01	2.29E+01	8.00E+00	4.46E+00	2.12E+00	1.42E-03
BK	8.42E-08	3.82E-08	1.73E-08	1.61E-09	3.09E-11	1.14E-14	2.97E-20	2.96E-20	2.86E-20	2.00E-20	1.50E-37
CF	1.35E-07	1.80E-07	2.01E-07	2.15E-07	2.14E-07	2.09E-07	1.96E-07	1.78E-07	3.00E-08	1.40E-14	5.35E-33
Summe	2.87E+04	2.87E+04	2.87E+04	2.87E+04	2.87E+04	2.87E+04	2.87E+04	2.87E+04	2.87E+04	2.87E+04	2.87E+04

SBR mit LWR-Pu , WA-Zeitpunkt 1A / Summe der Abfallströme Radioaktivität der Aktinidennuklide [Ci/TSM]												
	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]											
	0	1	2	5	10	20	50	100	1000	10000	1000000	
BI212	2.73E-03	2.00E-03	1.50E-03	8.20E-04	6.00E-04	5.58E-04	4.23E-04	2.62E-04	8.71E-08	5.08E-08	2.37E-06	
PO216	2.73E-03	2.00E-03	1.50E-03	8.20E-04	6.00E-04	5.58E-04	4.23E-04	2.62E-04	8.71E-08	5.08E-08	2.37E-06	
RN220	2.73E-03	2.00E-03	1.50E-03	8.20E-04	6.00E-04	5.58E-04	4.23E-04	2.62E-04	8.71E-08	5.08E-08	2.37E-06	
RA224	2.73E-03	2.00E-03	1.50E-03	8.20E-04	6.00E-04	5.58E-04	4.23E-04	2.62E-04	8.71E-08	5.08E-08	2.37E-06	
TH228	2.73E-03	1.99E-03	1.50E-03	8.17E-04	5.99E-04	5.58E-04	4.23E-04	2.62E-04	8.71E-08	5.08E-08	2.37E-06	
TH234	2.82E-01	7.61E-03	7.60E-03	7.60E-03	7.60E-03	7.60E-03	7.60E-03	7.60E-03	7.60E-03	7.61E-03	7.65E-03	
PA233	1.33E-01	1.35E-01	1.37E-01	1.45E-01	1.57E-01	1.82E-01	2.55E-01	3.72E-01	1.44E+00	1.77E+00	1.28E+00	
PA234M	2.82E-01	7.61E-03	7.60E-03	7.60E-03	7.60E-03	7.60E-03	7.60E-03	7.60E-03	7.60E-03	7.61E-03	7.65E-03	
U 232	2.48E-04	3.32E-04	3.97E-04	5.11E-04	5.69E-04	5.47E-04	4.12E-04	2.55E-04	8.57E-08	4.15E-08	2.44E-08	
U 234	5.98E-03	8.67E-03	1.20E-02	2.24E-02	3.96E-02	7.33E-02	1.68E-01	3.04E-01	9.00E-01	8.85E-01	6.07E-02	
U 236	4.96E-04	5.01E-04	5.05E-04	5.19E-04	5.41E-04	5.88E-04	7.35E-04	9.86E-04	5.31E-03	3.19E-02	4.71E-02	
U 237	5.17E-01	4.20E-01	4.00E-01	3.46E-01	2.72E-01	1.68E-01	3.97E-02	3.60E-03	1.87E-05	8.99E-06	0.00E+00	
U 238	7.60E-03	7.60E-03	7.60E-03	7.60E-03	7.60E-03	7.60E-03	7.60E-03	7.60E-03	7.60E-03	7.61E-03	7.65E-03	
NP237	1.33E-01	1.35E-01	1.37E-01	1.45E-01	1.57E-01	1.82E-01	2.55E-01	3.72E-01	1.44E+00	1.77E+00	1.28E+00	
NP238	4.47E+00	4.45E+00	4.43E+00	4.37E+00	4.28E+00	4.08E+00	3.56E+00	2.84E+00	4.69E-02	7.11E-20	0.00E+00	
NP239	1.38E+02	1.38E+02	1.38E+02	1.38E+02	1.38E+02	1.38E+02	1.37E+02	1.37E+02	1.26E+02	5.39E+01	1.31E-07	
PU238	6.67E+02	1.12E+03	1.21E+03	1.22E+03	1.20E+03	1.17E+03	1.05E+03	8.80E+02	8.48E+00	2.79E-17	0.00E+00	
PU239	1.01E+02	1.01E+02	1.01E+02	1.01E+02	1.02E+02	1.02E+02	1.02E+02	1.02E+02	1.03E+02	9.83E+01	1.31E-07	
PU240	1.49E+02	1.50E+02	1.51E+02	1.53E+02	1.56E+02	1.61E+02	1.68E+02	1.70E+02	1.55E+02	5.96E+01	1.87E-08	
PU241	1.76E+04	1.68E+04	1.60E+04	1.38E+04	1.09E+04	6.72E+03	1.59E+03	1.44E+02	7.49E-01	3.60E-01	0.00E+00	
PU242	5.71E-01	5.71E-01	5.71E-01	5.72E-01	5.73E-01	5.76E-01	5.83E-01	5.93E-01	6.29E-01	6.20E-01	1.05E-01	
AM241	7.52E+03	7.54E+03	7.55E+03	7.59E+03	7.62E+03	7.64E+03	7.45E+03	6.92E+03	1.64E+03	3.61E-01	0.00E+00	
AM242M	8.95E+02	8.91E+02	8.87E+02	8.75E+02	8.55E+02	8.17E+02	7.12E+02	5.67E+02	9.38E+00	1.42E-17	0.00E+00	
AM242	8.90E+02	8.86E+02	8.82E+02	8.70E+02	8.51E+02	8.13E+02	7.09E+02	5.64E+02	9.33E+00	1.42E-17	0.00E+00	
AM243	1.38E+02	1.38E+02	1.38E+02	1.38E+02	1.38E+02	1.38E+02	1.37E+02	1.37E+02	1.26E+02	5.39E+01	1.31E-07	
CM242	1.13E+05	2.46E+04	5.79E+03	7.69E+02	7.04E+02	6.72E+02	5.86E+02	4.67E+02	7.71E+00	1.17E-17	0.00E+00	
CM243	4.75E+02	4.64E+02	4.53E+02	4.21E+02	3.73E+02	2.92E+02	1.41E+02	4.18E+01	1.31E-08	0.00E+00	0.00E+00	
CM244	8.35E+03	8.04E+03	7.73E+03	6.90E+03	5.69E+03	3.88E+03	1.23E+03	1.82E+02	2.01E-13	0.00E+00	0.00E+00	
CM245	8.12E-01	8.12E-01	8.12E-01	8.11E-01	8.11E-01	8.10E-01	8.08E-01	8.05E-01	7.48E-01	3.59E-01	0.00E+00	
CM246	3.44E-02	3.44E-02	3.43E-02	3.43E-02	3.43E-02	3.43E-02	3.41E-02	3.39E-02	2.97E-02	7.94E-03	8.03E-31	
Summe	1.50E+05	6.08E+04	4.10E+04	3.30E+04	2.87E+04	2.25E+04	1.40E+04	1.03E+04	2.19E+03	2.73E+02	1.60E+01	

SBR mit LWR-Pu , WA-Zeitpunkt 1A / Summe der Abfallströme
 Wärmeleistung der Aktinidennuklide [W/TSM]

	ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
	0	1	2	5	10	20	50	100	1000	10000	1000000
PO216	1.08E-04	7.91E-05	5.95E-05	3.25E-05	2.37E-05	2.21E-05	1.68E-05	1.04E-05	3.45E-09	2.01E-09	9.38E-08
RN220	1.04E-04	7.59E-05	5.71E-05	3.11E-05	2.28E-05	2.12E-05	1.61E-05	9.94E-06	3.31E-09	1.93E-09	9.00E-08
TH230	8.00E-08	8.18E-08	8.45E-08	9.76E-08	1.37E-07	2.81E-07	1.21E-06	4.24E-06	1.95E-04	2.15E-03	2.41E-03
TH234	1.14E-04	3.09E-06	3.08E-06	3.08E-06	3.08E-06	3.08E-06	3.08E-06	3.08E-06	3.08E-06	3.08E-06	3.10E-06
PA233	3.01E-04	3.06E-04	3.12E-04	3.29E-04	3.57E-04	4.13E-04	5.80E-04	8.44E-04	3.27E-03	4.01E-03	2.91E-03
PA234M	1.39E-03	3.76E-05	3.76E-05	3.76E-05	3.76E-05	3.76E-05	3.76E-05	3.76E-05	3.76E-05	3.76E-05	3.78E-05
U 232	7.96E-06	1.07E-05	1.27E-05	1.64E-05	1.83E-05	1.76E-05	1.32E-05	8.18E-06	2.75E-09	1.33E-09	7.82E-10
U 233	1.83E-08	3.72E-08	5.63E-08	1.12E-07	2.08E-07	4.23E-07	1.26E-06	3.26E-06	1.21E-04	2.10E-03	3.96E-02
U 234	1.72E-04	2.50E-04	3.46E-04	6.45E-04	1.14E-03	2.11E-03	4.82E-03	8.76E-03	2.59E-02	2.55E-02	1.75E-03
U 235	4.39E-06	4.39E-06	4.39E-06	4.40E-06	4.41E-06	4.44E-06	4.53E-06	4.66E-06	7.18E-06	3.22E-05	1.41E-04
U 236	1.34E-05	1.36E-05	1.37E-05	1.40E-05	1.47E-05	1.59E-05	1.99E-05	2.67E-05	1.44E-04	8.64E-04	1.28E-03
U 237	9.78E-04	7.94E-04	7.57E-04	6.55E-04	5.15E-04	3.18E-04	7.51E-05	6.81E-06	3.54E-08	1.70E-08	0.00E+00
U 238	1.92E-04	1.92E-04	1.92E-04	1.92E-04	1.92E-04	1.92E-04	1.92E-04	1.92E-04	1.92E-04	1.92E-04	1.94E-04
NP237	3.90E-03	3.97E-03	4.04E-03	4.26E-03	4.62E-03	5.34E-03	7.50E-03	1.09E-02	4.23E-02	5.19E-02	3.77E-02
NP238	2.14E-02	2.13E-02	2.12E-02	2.09E-02	2.05E-02	1.96E-02	1.71E-02	1.36E-02	2.25E-04	3.41E-22	0.00E+00
NP239	3.33E-01	3.33E-01	3.33E-01	3.33E-01	3.33E-01	3.33E-01	3.32E-01	3.30E-01	3.03E-01	1.30E-01	3.17E-10
PU238	2.21E+01	3.70E+01	4.01E+01	4.06E+01	3.99E+01	3.86E+01	3.49E+01	2.92E+01	2.81E-01	9.26E-19	0.00E+00
PU239	3.15E+00	3.15E+00	3.15E+00	3.15E+00	3.16E+00	3.16E+00	3.17E+00	3.17E+00	3.20E+00	3.06E+00	4.08E-09
PU240	4.64E+00	4.67E+00	4.69E+00	4.76E+00	4.87E+00	5.02E+00	5.23E+00	5.29E+00	4.82E+00	1.86E+00	5.84E-10
PU241	5.42E-01	5.17E-01	4.92E-01	4.26E-01	3.35E-01	2.07E-01	4.89E-02	4.43E-03	2.31E-05	1.11E-05	0.00E+00
PU242	1.69E-02	1.69E-02	1.69E-02	1.69E-02	1.69E-02	1.70E-02	1.72E-02	1.75E-02	1.86E-02	1.83E-02	3.11E-03
AM241	2.51E+02	2.52E+02	2.52E+02	2.54E+02	2.55E+02	2.55E+02	2.49E+02	2.31E+02	5.47E+01	1.21E-02	0.00E+00
AM242M	3.53E-01	3.52E-01	3.50E-01	3.45E-01	3.38E-01	3.22E-01	2.81E-01	2.24E-01	3.70E-03	5.62E-21	0.00E+00
AM242	1.03E+00	1.03E+00	1.03E+00	1.01E+00	9.88E-01	9.44E-01	8.24E-01	6.56E-01	1.08E-02	1.64E-20	0.00E+00
AM243	4.45E+00	4.45E+00	4.44E+00	4.44E+00	4.44E+00	4.44E+00	4.42E+00	4.40E+00	4.05E+00	1.74E+00	4.23E-09
CM242	4.17E+03	9.06E+02	2.13E+02	2.84E+01	2.59E+01	2.48E+01	2.16E+01	1.72E+01	2.84E-01	4.33E-19	0.00E+00
CM243	1.74E+01	1.70E+01	1.66E+01	1.54E+01	1.37E+01	1.07E+01	5.17E+00	1.53E+00	4.80E-10	0.00E+00	0.00E+00
CM244	2.92E+02	2.81E+02	2.71E+02	2.41E+02	1.99E+02	1.36E+02	4.31E+01	6.36E+00	7.03E-15	0.00E+00	0.00E+00
CM245	2.71E-02	2.71E-02	2.70E-02	2.70E-02	2.70E-02	2.70E-02	2.69E-02	2.68E-02	2.49E-02	1.20E-02	0.00E+00
CM246	1.12E-03	1.12E-03	1.12E-03	1.12E-03	1.12E-03	1.12E-03	1.12E-03	1.11E-03	9.72E-04	2.60E-04	2.63E-32
Summe	4.77E+03	1.51E+03	8.07E+02	5.94E+02	5.48E+02	4.80E+02	3.68E+02	3.00E+02	6.77E+01	6.93E+00	3.83E-01

SBR mit LWR-Pu , WA-Zeitpunkt 1A / Summe der Abfallströme
Radioaktivität der Spaltprodukt nuklide [Ci/TSM]

		ZEITEN NACH DER WIEDERAUFARBEITUNG [A]										
		0	1	2	5	10	20	50	100	1000	10000	1000000
H 3		1.06E+03	9.98E+02	9.44E+02	7.97E+02	6.02E+02	3.44E+02	6.38E+01	3.86E+00	0.00E+00	0.00E+00	0.00E+00
SR 90		4.70E+04	4.59E+04	4.48E+04	4.17E+04	3.70E+04	2.92E+04	1.43E+04	4.35E+03	2.17E-06	0.00E+00	0.00E+00
Y 90		4.70E+04	4.59E+04	4.48E+04	4.17E+04	3.70E+04	2.92E+04	1.43E+04	4.35E+03	2.17E-06	0.00E+00	0.00E+00
ZR 93		1.56E+00	1.56E+00	1.56E+00	1.56E+00	1.56E+00	1.56E+00	1.56E+00	1.56E+00	1.56E+00	1.55E+00	9.92E-01
NB 93M		1.50E-01	2.17E-01	2.79E-01	4.50E-01	6.82E-01	1.00E+00	1.38E+00	1.47E+00	1.48E+00	1.48E+00	9.42E-01
TC 99		1.65E+01	1.65E+01	1.65E+01	1.65E+01	1.65E+01	1.65E+01	1.65E+01	1.65E+01	1.65E+01	1.60E+01	6.38E-01
RU106		7.13E+05	3.58E+05	1.80E+05	2.29E+04	7.37E+02	8.02E-01	8.85E-10	1.04E-24	0.00E+00	0.00E+00	0.00E+00
RH106		7.13E+05	3.58E+05	1.80E+05	2.29E+04	7.37E+02	8.02E-01	8.85E-10	1.04E-24	0.00E+00	0.00E+00	0.00E+00
PD107		2.46E-01	2.46E-01	2.46E-01	2.46E-01	2.46E-01	2.46E-01	2.46E-01	2.46E-01	2.46E-01	2.46E-01	2.21E-01
AG110M		3.84E+02	1.39E+02	5.06E+01	2.42E+00	1.53E-02	6.11E-07	3.88E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CD113M		1.73E+02	1.65E+02	1.57E+02	1.36E+02	1.07E+02	6.68E+01	1.61E+01	1.49E+00	4.06E-19	0.00E+00	0.00E+00
SN119M		1.47E+02	5.23E+01	1.86E+01	8.40E-01	4.80E-03	1.57E-07	5.44E-21	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SN121M		1.44E+00	1.42E+00	1.40E+00	1.34E+00	1.25E+00	1.09E+00	7.19E-01	3.59E-01	1.37E-06	0.00E+00	0.00E+00
SN126		1.44E+00	1.44E+00	1.44E+00	1.44E+00	1.44E+00	1.44E+00	1.44E+00	1.44E+00	1.43E+00	1.35E+00	1.45E-03
SB125		2.27E+04	1.77E+04	1.37E+04	6.47E+03	1.84E+03	1.50E+02	8.03E-02	2.84E-07	0.00E+00	0.00E+00	0.00E+00
SB126		2.02E-01	2.02E-01	2.02E-01	2.02E-01	2.02E-01	2.02E-01	2.02E-01	2.02E-01	2.01E-01	1.88E-01	2.02E-04
SB126M		1.44E+00	1.44E+00	1.44E+00	1.44E+00	1.44E+00	1.44E+00	1.44E+00	1.44E+00	1.43E+00	1.35E+00	1.45E-03
TE125M		5.52E+03	4.31E+03	3.35E+03	1.58E+03	4.50E+02	3.66E+01	1.96E-02	6.93E-08	0.00E+00	0.00E+00	0.00E+00
CS134		2.34E+04	1.67E+04	1.19E+04	4.36E+03	8.12E+02	2.82E+01	1.18E-03	5.93E-11	0.00E+00	0.00E+00	0.00E+00
CS135		1.88E+00	1.88E+00	1.88E+00	1.88E+00	1.88E+00	1.88E+00	1.88E+00	1.88E+00	1.88E+00	1.88E+00	1.39E+00
CS137		1.24E+05	1.21E+05	1.19E+05	1.11E+05	9.87E+04	7.83E+04	3.92E+04	1.23E+04	1.15E-05	0.00E+00	0.00E+00
BA137M		1.18E+05	1.15E+05	1.12E+05	1.05E+05	9.33E+04	7.41E+04	3.71E+04	1.17E+04	1.09E-05	0.00E+00	0.00E+00
CE144		5.91E+05	2.43E+05	9.96E+04	6.89E+03	8.03E+01	1.09E-02	2.73E-14	1.26E-33	0.00E+00	0.00E+00	0.00E+00
PR144		5.91E+05	2.43E+05	9.96E+04	6.89E+03	8.03E+01	1.09E-02	2.73E-14	1.26E-33	0.00E+00	0.00E+00	0.00E+00
PR144M		7.09E+03	2.91E+03	1.20E+03	8.27E+01	9.63E-01	1.31E-04	3.28E-16	1.51E-35	0.00E+00	0.00E+00	0.00E+00
PM147		2.87E+05	2.20E+05	1.69E+05	7.65E+04	2.04E+04	1.45E+03	5.26E-01	9.67E-07	0.00E+00	0.00E+00	0.00E+00
SM151		5.07E+03	5.04E+03	5.00E+03	4.88E+03	4.70E+03	4.35E+03	3.45E+03	2.35E+03	2.30E+00	0.00E+00	0.00E+00
EU152		1.20E+01	1.14E+01	1.08E+01	9.29E+00	7.20E+00	4.33E+00	9.38E-01	7.34E-02	8.92E-22	0.00E+00	0.00E+00
EU154		2.10E+03	1.93E+03	1.78E+03	1.40E+03	9.36E+02	4.18E+02	3.73E+01	6.64E-01	0.00E+00	0.00E+00	0.00E+00
EU155		1.88E+04	1.63E+04	1.42E+04	9.34E+03	4.64E+03	1.15E+03	1.73E+01	1.60E-02	0.00E+00	0.00E+00	0.00E+00
Summe		3.51E+06	1.82E+06	1.10E+06	4.64E+05	3.02E+05	2.19E+05	1.08E+05	3.51E+04	2.74E+01	2.43E+01	4.19E+00

SBR mit LWR-Pu , WA-Zeitpunkt 1A / Summe der Abfallströme												
Wärmeleistung der Spaltprodukt nuklide [W/TSM]												
ZEITEN NACH DER WIEDERAUFARBEITUNG [A]												
		0	1	2	5	10	20	50	100	1000	10000	1000000
H 3		3.57E-02	3.37E-02	3.19E-02	2.69E-02	2.03E-02	1.16E-02	2.16E-03	1.30E-04	0.00E+00	0.00E+00	0.00E+00
SR 90		5.45E+01	5.33E+01	5.20E+01	4.84E+01	4.30E+01	3.39E+01	1.66E+01	5.05E+00	2.52E-09	0.00E+00	0.00E+00
Y 90		2.60E+02	2.54E+02	2.48E+02	2.31E+02	2.05E+02	1.62E+02	7.93E+01	2.41E+01	1.21E-08	0.00E+00	0.00E+00
NB 93M		2.67E-05	3.84E-05	4.95E-05	7.97E-05	1.21E-04	1.77E-04	2.44E-04	2.61E-04	2.63E-04	2.61E-04	1.67E-04
TC 99		8.28E-03	8.28E-03	8.28E-03	8.28E-03	8.28E-03	8.28E-03	8.28E-03	8.28E-03	8.25E-03	8.02E-03	3.20E-04
RU106		4.23E+01	2.12E+01	1.07E+01	1.36E+00	4.37E-02	4.75E-05	5.25E-14	6.18E-29	0.00E+00	0.00E+00	0.00E+00
RH106		6.84E+03	3.44E+03	1.73E+03	2.20E+02	7.07E+00	7.69E-03	8.49E-12	1.00E-26	0.00E+00	0.00E+00	0.00E+00
AG110		3.67E-02	1.33E-02	4.84E-03	2.32E-04	1.46E-06	5.84E-11	3.71E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00
AG110M		6.41E+00	2.33E+00	8.45E-01	4.05E-02	2.56E-04	1.02E-08	6.48E-22	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CD113M		2.91E-01	2.77E-01	2.64E-01	2.29E-01	1.81E-01	1.12E-01	2.70E-02	2.52E-03	6.83E-22	0.00E+00	0.00E+00
SN119M		7.60E-02	2.71E-02	9.63E-03	4.34E-04	2.48E-06	8.09E-11	2.81E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SN121M		2.88E-03	2.84E-03	2.80E-03	2.69E-03	2.51E-03	2.18E-03	1.44E-03	7.20E-04	2.74E-09	0.00E+00	0.00E+00
SN123		3.54E+00	4.99E-01	7.03E-02	1.96E-04	1.09E-08	3.37E-17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SN126		1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.79E-03	1.68E-03	1.80E-06
SB125		7.10E+01	5.52E+01	4.30E+01	2.02E+01	5.77E+00	4.68E-01	2.51E-04	8.88E-10	0.00E+00	0.00E+00	0.00E+00
SB126		3.73E-03	3.73E-03	3.73E-03	3.73E-03	3.73E-03	3.73E-03	3.73E-03	3.73E-03	3.71E-03	3.48E-03	3.74E-06
SB126M		1.84E-02	1.84E-02	1.84E-02	1.84E-02	1.84E-02	1.84E-02	1.84E-02	1.84E-02	1.82E-02	1.71E-02	1.84E-05
TE125M		4.64E+00	3.62E+00	2.82E+00	1.33E+00	3.78E-01	3.07E-02	1.65E-05	5.82E-11	0.00E+00	0.00E+00	0.00E+00
CS134		2.38E+02	1.70E+02	1.22E+02	4.44E+01	8.27E+00	2.87E-01	1.20E-05	6.04E-13	0.00E+00	0.00E+00	0.00E+00
CS135		6.29E-04	6.29E-04	6.29E-04	6.29E-04	6.29E-04	6.29E-04	6.29E-04	6.29E-04	6.29E-04	6.27E-04	4.65E-04
CS137		1.38E+02	1.34E+02	1.31E+02	1.23E+02	1.09E+02	8.66E+01	4.33E+01	1.36E+01	1.28E-08	0.00E+00	0.00E+00
BA137M		4.62E+02	4.51E+02	4.41E+02	4.11E+02	3.67E+02	2.91E+02	1.45E+02	4.58E+01	4.29E-08	0.00E+00	0.00E+00
CE144		3.92E+02	1.61E+02	6.61E+01	4.57E+00	5.32E-02	7.23E-06	1.81E-17	8.37E-37	0.00E+00	0.00E+00	0.00E+00
PR144		4.34E+03	1.78E+03	7.32E+02	5.06E+01	5.90E-01	8.01E-05	2.01E-16	9.27E-36	0.00E+00	0.00E+00	0.00E+00
PR144M		2.43E+00	9.96E-01	4.09E-01	2.83E-02	3.29E-04	4.47E-08	1.12E-19	5.18E-39	0.00E+00	0.00E+00	0.00E+00
PM147		1.03E+02	7.89E+01	6.06E+01	2.74E+01	7.32E+00	5.22E-01	1.89E-04	3.47E-10	0.00E+00	0.00E+00	0.00E+00
SM151		5.96E-01	5.91E-01	5.86E-01	5.73E-01	5.51E-01	5.11E-01	4.05E-01	2.76E-01	2.70E-04	0.00E+00	0.00E+00
EU152		9.09E-02	8.64E-02	8.21E-02	7.05E-02	5.46E-02	3.28E-02	7.11E-03	5.57E-04	6.76E-24	0.00E+00	0.00E+00
EU154		1.88E+01	1.73E+01	1.60E+01	1.25E+01	8.38E+00	3.74E+00	3.34E-01	5.94E-03	0.00E+00	0.00E+00	0.00E+00
EU155		1.37E+01	1.19E+01	1.03E+01	6.79E+00	3.38E+00	8.35E-01	1.26E-02	1.17E-05	0.00E+00	0.00E+00	0.00E+00
Summe		1.38E+04	6.65E+03	3.67E+03	1.20E+03	7.66E+02	5.80E+02	2.85E+02	8.90E+01	3.34E-02	3.15E-02	1.10E-03

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