## NRC FORM 374

(11-2016)

## U.S. NUCLEAR REGULATORY COMMISSION MATERIALS LICENSE

Amendment No.3

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, *Code of Federal Regulations*, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 37, 39, 40, and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

Licensee	In accordance with:	4. Expiration Date:
1. Water Remediation Technology LLC	letter dated December 21, 2016	May 3, 2039
2. 901 W. 116 <sup>th</sup> Street Suite 400 Westminster, Colorado 80234	3. License Number: SUC-1591, amended to read as follows:	5. Docket No. / Reference No.: 040-09059
<ul> <li>6. Byproduct, source, and/or special nuclear material</li> <li>7. Chemical and/or physical form</li> </ul>	. Maximum amount that 9. Authorize licensee may possess at any one time under this license	ed use
Source Any	from curr sources, operation solutions explorati groundw as part o	I of naturally-occurring uranium rent or potential drinking water sources impacted by mining ms, drilling fluids or other resulting from oil and gas on operations, and other rater or surface water sources of remediation or general water at operations

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		CONDITIONS	
10.	The Water Remediation Technology LLC (WRT) uranium media exchanges, and final disposition pathways, shall document entitled "Source Material License SUC-1591, Renewal Application" (hence, Environmental Report; Al amended by WRT Responses to U.S. Nuclear Regulate 2017 (ADAMS Accession No. ML18005A123), WRT's a 2020 (ADAMS Accession No. ML20329A196), as amer January 6, 2021 (ADAMS Accession No. ML20329A196), as amer January 4, 2022 (ADAMS Accession No. ML20329A196), as contract with to provide uranium removal services. The of the person or entity that WRT has entered into a contract with the provide uranium removal services.	operate as specified in its December 21, 20 Environmental Report in Support of a Multi- DAMS Accession No. ML16358A447) also day ory Commission (NRC) Requests for Addition application for transfer of control of its parent inded by WRT Responses to NRC Requests f 1), and WRT's letter to change its Corporate 7), except where superseded by licensed cor . Whenever the words "will" or "shall" are use in, the term "Client" shall mean a person or e term "Client" is further defined to include all of	16 transmittal letter and enclosed Site, Performance-Based License ated December 21, 2016, as nal Information, dated November 17, holding company, dated October 26, or Additional Information, dated Radiation Safety Officer, dated nditions contained in this specific ed in the above referenced entity that WRT has entered into a employees, agents and contractors
11.			

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12.	WRT will be permitted to register and install new urani performance requirements delineated in Section 2.3 of license. WRT must register, track the status of, and im removal services, so that the number of such Client fac any given time, including those operating under a gene license. Notification to the NRC shall be made by the la the preceding month. The notification must contain the become operational and include a description of the fa facilities. The facility description shall, to the extent fac Appendix A, NUREG-1757, Volume 3, Revision 1. The such requirements are within the performance requirer this specific license. WRT has provided the following re (A) Registration notification dated February 28, 2024	the Environmental Report and meet the term form the NRC of all Client's facilities it enters cilities, uranium removal systems, and their lo eral license pursuant to 10 CFR 40.22 and the ast day of the month for any uranium removal name and location of the Client's facility whe cility that houses or contains the uranium rem asible, incorporate the information requested SERP will review the Client's requirements a nents set forth in the Environmental Report a egistration notifications for uranium removal s	into contracts with to provide uranium ocations can be readily determined at ose operating under this specific system that becomes operational in are the uranium removal system has noval system as well as any ancillary in Tables A.3.4 and A.3.5 of and document the conclusion that nd meet the terms and conditions of

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14.	syste is loa	all uranium removal systems that WRT is required to em, shall execute a contract with the Client that will aded onto the treatment media within the uranium r is andconditions: That at all times, the treatment media is and shall material as it is loaded onto the treatment media. WRT shall monitor the installation of the uranium r activation of the uranium removal system to ensur That WRT shall be afforded access to the uranium That the uranium removal system is contained wit During the operation of the uranium removal syste and service activities that have the potential for co During the operation and decommissioning of the remediation of any inadvertent release or spill of li WRT shall be responsible for all treatment media and final disposition at an appropriately licensed for unloaded treatment media may continue to be use	require WRT to take title to the uranium sour emoval system. WRT shall ensure that the c REG remain the property of WRT and that WRT v removal system by the Client, and WRT shall re its proper operation. In removal system at all times. This a secured site that complies with security em, WRT shall be responsible for all uranium ontact with the licensed material. Uranium removal system, WRT shall be responsed material. exchanges, including the removal of the final acility at the termination of the operation of the	rce material as such source material ontract shall include the following will take title to the uranium source be responsible for the initial requirements issued by the NRC. removal system repair, maintenance onsible for the containment and charge of spent treatment media

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14.	Any uranium removal system installed by WRT under the existed prior to the Client entering into a contract with V by the Client in a previously cleared area located within Client entering into a contract with WRT for uranium remostalled must also be accessible to a public street, road or service the uranium removal system, such private row WRT for uranium removal services and such private row installation and operation of a uranium removal system condition precedent for the installation of a uranium removal service.	WRT for uranium removal services, or (B) a b in a Client's facility or site, provided that the C moval services. A facility or site where a uran d or highway and to the extent that WRT relieved bad must have been constructed by the Client and must have been constructed by the Client and must have been constructed by the Client and must have been constructed by the Client	uilding or structure to be constructed lient cleared the area prior to the nium removal system is to be es upon a private road to either install t prior to entering into a contract with for a primary purpose other than ent to this specific license shall be a
15.	If a possible direct outlet to storm sewers, sanitary sew will be operated, the uranium removal system will be do release of any treatment media containing source mate located on the 100-year flood plain unless the SERP do uranium removal system, including any uranium- laden management practices and other prudent measures.	esigned and installed with a secondary conta erial that could affect water resources. The ur etermines that the reasonably foreseeable im	inment system to protect against a anium removal system shall not be pacts of any floods upon an installed
16.	The WRT Corporate Radiation Safety Officer shall pos requirements set forth in Sections 3.16.1.1 and 3.16.2. Revision 1, before engaging in any corporate radiation	1 of the Environmental Report and Appendix	satisfy the professional training D of NUREG-1556, Volume 18,
17.	The WRT field radiation safety officer and radiation corshall satisfy the professional training requirements for authorized users in Appendix D of NUREG-1556, Volume	nealth physics technicians described in NRC	Regulatory Guide 8.31 or for
18.	The WRT system specialists shall possess the profess forth in Sections 3.16.1.3 and 3.16.2.2 of the Environment	ional qualifications and shall satisfy the profe ental Report before engaging in any licensed	ssional training requirements set activities.
19.	WRT will ensure that WRT Clients' managers and oper of the Environmental Report before initiating licensed a		ements set forth in Section 3.16.2.3

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20.	20. WRT will implement its radiation safety program as described in Section 3.16 of its Environmental Report. All training sessions and materials shall conform to the commitments in Section 3.16 of the Environmental Report and requirements in license conditions 16 through 19.			
21.	21. WRT may, without NRC approval, make changes to the radiation safety program and standard operating procedures, and conduct tests or experiments, provided that they are reviewed by the SERP and WRT ensures that the following three conditions are met:			
	(A) The change, test, or experiment does not conflict ability to meet all applicable NRC regulations.	with any requirement specifically stated in thi	s specific license or impair WRT's	
	(B) WRT continues to comply with the safety or environmental commitments made in the Environmental Report or other licensing documents identified in license condition 10.			
	(C) The change, test, or experiment is consistent with the NRC's findings in its environmental assessment and safety evaluation report.			
	If any of these conditions are not met, or if WRT seeks to change any conditions of this specific license or any of the performance requirements in Sections 2.3, 3.13, 3.14, 3.15, 3.16, 3.17, and 3.18 of the Environmental Report, or if WRT determines that the proposed installation and operation of any uranium removal system is outside the scope of such performance requirements, then NRC approval through a license amendment will be required.			
22.	2. Standard operating procedures shall be developed and followed for all licensed activities, including the handling of licensed materials during media exchange activities. The standard operating procedures shall also include provisions to prevent and to respond to the range of reasonably foreseeable potential accidents, such as a release or spill of licensed material. A copy of the current standard operating procedures shall be kept in the area(s) of the facility housing or containing the uranium removal system. The SERP will review and approve all standard operating procedures before they are implemented.			
23.	23. The SERP shall document all decisions and determinations required by this specific license and as set forth as commitments in the Environmental Report and make such documentation available for NRC inspection. WRT shall provide the NRC with annual reports of all such decisions and determinations. Records shall be maintained at the address listed in license condition 2 and reports shall be made in accordance with all applicable NRC regulations.			

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24.	All written notices and reports to the NRC required und Director, (Mail Stop T-5 A10), Division of Decommission and Safeguards, Nuclear Regulatory Commission, Wa White Flint North, Rockville, MD 20852-2738. Requi (301) 816-5100 unless otherwise specified.	oning, Uranium Recovery, and Waste Program Ishington D.C. 20555-0001, or by express d	ms, Office of Nuclear Material Safety elivery to 11545 Rockville Pike, Two	
25.	WRT will ensure that all uranium removal system equi the commencement of licensed activities, WRT will en that contain, or potentially contain, licensed material un	sure that no alterations are made to compor	ents of the uranium removal system	
26.	WRT will ensure that all equipment used for media Section 3.17 of the Environmental Report. WRT syst accordance with the written procedures required by lic laden treatment media into the environment.	tem specialists will ensure that all media e	xchange activities are conducted in	
27.	WRT shall, at a minimum, use a radiation monitoring pr	ogram in as described in Section 3.16.5 of th	e Environmental Report.	
28.	WRT shall, at a minimum, use an environmental monito and 3.17 of the Environmental Report.	ring program and emergency response proce	dures as described in Sections 3.16	
29.	WRT shall, at a minimum, use a radiological contamina Report.	tion control program as described in Section	3.16 and 3.17 of the Environmental	
30.	WRT shall, at a minimum, use security procedures an shall also comply with and implement, in conjunction requirements.			
31.	To prevent any unauthorized persons from accessing locked shed or locked structure, be within the locked CI in accordance with the requirements of 10 CFR Part 20	ient facility, or be within a locked, fenced-in, a		

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Prior to the initial operation of a uranium removal system, and prior to a re-start of a uranium removal system following any major overhaul or modification, WRT shall ensure the fire marshal or equivalent individual who has responsibility for the site has been contacted and provided instruction on uranium source material hazards and possible effects from a fire. The SERP shall document WRT's or the Client's contacts with the fire marshal or equivalent individual.			
8. WRT shall, at a minimum, use transportation accident response standard operating procedures in accordance with the DOT-approved transportation contractor's response procedures. In the event of a transportation accident resulting in the release or spill of licensed material, WRT will conduct the appropriate follow-up accident site surveys.			
. WRT shall transfer uranium-laden (spent or fully loaded) treatment media only to properly licensed or permitted facilities for final disposition as described in Section 3.17 of the Environmental Report.			
Uranium-laden (spent or fully loaded) treatment media shall not be stored at the Client's facility for greater than 60 days following a media exchange and shall only be contained within the ion exchange vessel or DOT-approved containers.			
			in Section 3.18 of the Environmental
<ul> <li>7. Before a uranium removal system becomes operational, WRT shall create, or caused to be created by the Client, a standby trust, acceptable to the NRC, for the uranium removal system located at a Client's facility. WRT shall obtain acceptable financial assurance mechanisms for site- specific Client facilities before the uranium removal system becomes operational. For Clients that are federal, state, or local government entities, WRT may obtain statements of intent or guarantees pursuant to 10 CFR 40.36(e)(4) in accordance with WRT license application dated September 27, 2005; subsequent supporting documentation dated December 21, 2016. For private Clients, WRT will obtain acceptable financial assurance mechanisms pursuant to 10 CFR 40.36 in accordance with WRT license application dated September 27, 2005; subsequent to 10 CFR 40.36 in accordance with WRT license application dated September 27, 2005; subsequent to 10 CFR 40.36 in accordance with WRT license application dated September 27, 2005; subsequent supporting documentation dated August 14, 2006, August 30, 2006 and September 13, 2006; and Section 3.18.2 of the Environmental Report dated December 21, 2016. For private Clients, WRT will obtain acceptable financial assurance mechanisms pursuant to 10 CFR 40.36 in accordance with WRT license application dated September 27, 2005; subsequent supporting documentation dated August 14, 2006, August 30, 2006 and September 13, 2006; and Section 3.18.2 of the Environmental Report dated December 21, 2016.</li> <li>8. The contract between WRT and each Client shall include the statement, "For purposes of this Agreement, the U.S Nuclear Regulatory Commission shall be considered an intended third-party beneficiary of any financial assurance mechanism required for activities under this Agreement and shall be granted rights to enforce the provisions of such financial assurance mechanism for decommissioning or other related activities."</li> </ul>			
	MATERIA SUPPLEME Prior to the initial ope or modification, WRT provided instruction of contacts with the fire WRT shall, at a mini- transportation contra- material, WRT will co WRT shall transfer un- as described in Sector Uranium-laden (spen- exchange and shall of WRT shall conform it Report and the NRC Before a uranium re acceptable to the NR mechanisms for site- or local government e- license application d September 13, 2006; acceptable financial a 2005; subsequent su Environmental Repor The contract between Commission shall be Agreement and shall	U.S. NUCLEAR SUPPLEMENTARY SHEET Prior to the initial operation of a uranium removal system or modification, WRT shall ensure the fire marshal or provided instruction on uranium source material hazards contacts with the fire marshal or equivalent individual. WRT shall, at a minimum, use transportation accident transportation contractor's response procedures. In th material, WRT will conduct the appropriate follow-up ac WRT shall transfer uranium-laden (spent or fully loaded) as described in Section 3.17 of the Environmental Repor Uranium-laden (spent or fully loaded) treatment medias exchange and shall only be contained within the ion exc WRT shall conform its decommissioning activities to th Report and the NRC regulations in 10 CFR Part 20, Sut Before a uranium removal system becomes operation acceptable to the NRC, for the uranium removal system mechanisms for site- specific Client facilities before the or local government entities, WRT may obtain statement license application dated September 27, 2005; subse September 13, 2006; and Section 3.18.2 of the Enviror acceptable financial assurance mechanisms pursuant to 2005; subsequent supporting documentation dated Aug Environmental Report dated December 21, 2016. The contract between WRT and each Client shall inclu Commission shall be considered an intended third-party Agreement and shall be granted rights to enforce the	U.S. NUCLEAR REGULATORY COMMISSION           MATERIALS LICENSE SUPPLEMENTARY SHEET         License Number           Prior to the initial operation of a uranium removal system, and prior to a re-start of a uranium remova or modification, WRT shall ensure the fire marshal or equivalent individual who has responsibility provided instruction on uranium source material hazards and possible effects from a fire. The SERP contacts with the fire marshal or equivalent individual who has responsibility provided instruction on uranium source material hazards and possible effects from a fire. The SERP contacts with the fire marshal or equivalent individual.           WRT shall, at a minimum, use transportation accident response standard operating procedures in transportation contractor's response procedures. In the event of a transportation accident resulti material, WRT will conduct the appropriate follow-up accident site surveys.           WRT shall transfer uranium-laden (spent or fully loaded) treatment media only to properly licensed or as described in Section 3.17 of the Environmental Report.           Uranium-laden (spent or fully loaded) treatment media shall not be stored at the Client's facility for exchange and shall only be contained within the ion exchange vessel or DOT-approved containers.           WRT shall conform its decommissioning activities to the methodology and requirements described Report and the NRC regulations in 10 CFR Part 20, Subpart E, and 10 CFR 40.42.           Before a uranium removal system becomes operational, WRT shall create, or caused to be or acceptable to the NRC, for the uranium removal system located at a Client's facility. WRT shall mechanisms for site- specific Client facilities before the uranium removal system becomes operation or local government entities, WRT may ob

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Environmental assurance mec as changes in e	Report before initiating licensed activi hanism for each Client. WRT will adjust engineering or design, and economic cor ne 12, 2024	E estimates pursuant to the methodology ties. WRT will document such decommissis decommissioning cost estimates pursuant to holitions, such as inflation, on a triennial basis FOR THE U.S. NUCLEAR RE Dume White, Branch Ch low-Level Waste and Pr Division of Decommissio and Waste Programs Office of Nuclear Materia and Safeguards	ioning cost estimates in its financial o applicable NRC requirements, such s or at license renewal. EGULATORY COMMISSION y White, Duane 2/24 ief ojects Branch ning, Uranium Recovery