JE河川環境綜合技術研究所
LUMILITE

日本國土交通省新技術登錄 QS-070011-A

JE LUMILITE Ecological River Environmental Technology Institute

China Rep. office：深圳市康源慧光环保科技有限公司

(Shenzhen Kangyuan Bright Light Environmental Conservation Science and Technology Ltd.)

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www.lumilite.jp

Developer of LUMILITE new water treatment technology

Dr. PARK, KI HO

Dr. PARK, KI HO, director of Ecological River Environmental Technology Institute Limited in Korea, obtained his Ph.D. degree in river environmental engineering from the Kyushu University in Japan and lectured as a professor at the university. Having been engaged in water environmental research for almost 30 years, He made remarkable achievements from both theoretical and practical aspects, of which LUMILITE new water treatment technology is his unprecedented masterwork.

Far beyond Japanese experts' imagination of technological achievement, LUMILITE new water treatment technology is unmatched by any other water treatment technology in terms of innovativeness, low cost, simple application, and long-lasting high effect. Water quality test after water treatment reveals particularly no elution of heavy metal as well as all the other water quality indices below permitted standards for drinking water. As such, LUMILITE water treatment technology acquired a new technology authentication from and was registered with **the Japan Ministry of Construction on Sep., 2007. Reg. No (NETIS): QS-070011-A.** LUMILITE water treatment technology, with its unique advantages, will make a great contribution to improvement and recovery of water ecological environment.

● Brief Introduction of Ecological River Environmental Technology Institute Limited ("ERETI")

ERETI was established by the representative, Dr./Prof. PARK, KI HO on Apr., 2004 in Daegu, Korea. ERETI, equipped with state-of-the-art environmental technologies and standing on financial solidity, is expanding its business territory to around the world. Having begun with ecological environmental research, ERETI is now actively engaged in R&D and application of ① water environmental purification new technology, ② eco-friendly construction materials manufacturing new technology, and ③pollution-free municipal house refuse treatment new technology, etc. For the past 10 years ERETI developed world-leading leveled 10 patented technologies with related products in above mentioned R&D areas. LUMILITE new water treatment technology is a masterwork among them.

⑴Basic Information of ERETI

Name of Co.	Ecological River Environmental Technology Institute **LUMILITE**	**Name of Rep.**	PARK, KI HO	**Foundation**	2004
Headquarters	687, Wangshin-Ri, Gangdong-Myeon, Gyeongju, Gyeonggbuk, Korea			**Owned by**	PARK, KI HO
Branch (1)	687, Wangshin-Ri, Gangdong-Myeon, Gyeongju, Gyeonggbuk, Korea			**Owned by**	PARK, KI HO
Branch (2)	107-1105 Bosung Town, Suseong 4 Ga, Suseong-Gu, Daegu, Korea			**Owned by**	PARK, KI HO
Branch (3)	5F, Suyung Bd, 225-14, Yeonnam-Dong, Mapo-Gu, Seoul, Korea			**Owned by**	PARK, KI HO
Incorporation No.	171211 - 0055458		**Business License No.**	505 - 81 - 55902	
e-mail	paku@lumilite.jp		**Website**	www.lumilite.jp	
Category of Business	Nonmetallic mineral manufacturing / Half-finished products for water environmental purification and industrial use (Cat. No.: 39009)				
Major Products	Product name: LUMILITE(Ion exchange agent, Powder, Balls, Granules)/Water treatment devices/Water treatment design and application				
Major raw materials	Clinoptilolite, Glimmerton, Montmorillonite, Vermiculite, Quartz, Mica, Feldspar, Volcanic ash				
Contact	Kim, Hyo Yeol / Director		e - mail: trajan@lumilite.jp Tel: 82 - 11 - 525 - 0373		

⑵Organizational Deployment

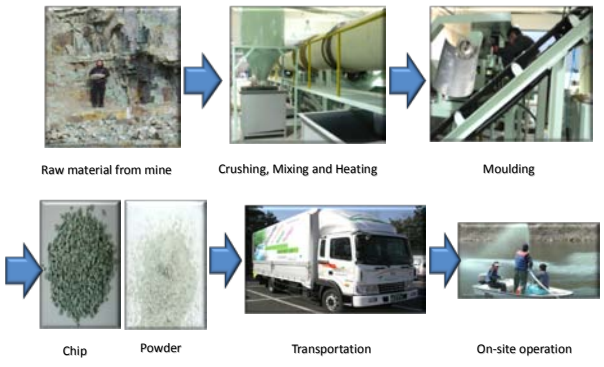
Year	Month	Details
2004	05	Established ERETI (Represented by PARK, KI HO) – Experiment and on-site application
2003	05	Established LUMILITE Ltd. (Represented by PARK, KI HO) – Patent holder
2006	05	Opened up a factory in 687, Wangshin-Ri, Gangdong-Myeon, Gyeongju, Gyeonggbuk, Korea
2008	05	Opened up a branch institute in Beomeo-4 Dong, Suseong-Gu, Daegu, Korea
2009	06	Opened up a branch institute in 107-1105 Bosung Town, Suseong 4 Ga, Suseong-Gu, Daegu, Korea
2011	05	Opened up a branch Institute in Gyeongbuk Science & Technology Park, Start-up company Incubating Center

⑶Brief personal history of Dr. PARK, KI HO

Education	Ph.D. degree in river environmental engineering from Kyshu University in Japan on Mar., 1998				
Order	**Period**	**Place**	**Field**	**Duty**	**Position**
1	1991. 3 ~ 1993. 2	YNU	Graduate school	Ph.D. course	Doctor
2	1993. 3 ~ 2010. 2	KDTC/KSD	Undergraduate course	Edu./Res.	Professor
3	1993. 4 ~ 2001. 3	KYUSHU UNIV	Graduate school	Research	Visiting fellow
4	1995. 4 ~ 1998. 3	KYUSHU UNIV	Graduate school	Ph.D. course	Doctor
5	2002. 4 ~ 2010. 3	Daegu city, Korea	Provincial design judging committee	Judge	Commissioner
6	2002. 4 ~ 2010. 3	Gyeonsangbuk-Do, Korea	Provincial design judging committee	Judge	Commissioner
7	2003. 3 ~ until now	Daegu city, Korea	Disaster prevention committee	Judge	Commissioner
8	2004. 4 ~ 2009. 2	Daegu city, Korea	Dalsung marsh eco-recovery com.	Judge	Chief com.
9	2004. 3 ~ 2010. 3	Daegu city, Korea	River judging committee	Judge	Commissioner
10	2004. 3 ~ until now	Korea Environ. Ind. & Tech. Inst.	Ecological new tech. committee	Judge	Commissioner
11	2004. 5 ~ until now	LUMILITE Ltd.	Nonmetallic mineral manufac.	Director	Rep. Dir
12	2008. 3 ~ 2010. 2	Ministry of Land, Transport, Maritime	Central River judging committee	Judge	Commissioner
13	2009. 5 ~ until now	ERETI	R&D / Manufacturing	CEO	Rep. Dir
14	2010. 5 ~ until now	Shenzhen Kangyuan Bright Light Environmental Conservation Science and Technology Ltd.	Mineral manufac./Water purification	CTO	Res. Prof.

Korea ERETI, headquarters, has currently overseas offices in Nagoya, Hukuoka (Japan), Shenzhen (China), etc.
Korea ERETI's business is vertically integrated from unique LUMILITE technology development through mineral resources exploitation and products manufacturing to on-site application.

The Flow of Raw material, Production, Transportation and On-site Operation



Overall view of Research Center and Production Line

◎LUMILITE Products

LUMILITE Products ready for Export

LUMILITE Powder
Water treatment agent for quiet water and radionuclide(^{131}I、^{137}Cs)-polluted water

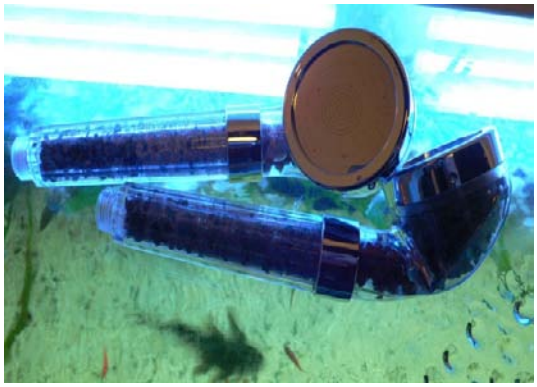
LUMILITE Ball
Water treatment agent for flowing water and radionuclide(^{131}I、^{137}Cs)-polluted water

LUMILITE Chip
Water treatment agent for flowing water and radionuclide(^{131}I、^{137}Cs)-polluted water

LUMILITE Textile
Automobile seat, Curtain, Wallpaper

LUMILITE Filter Cotton
Air Cleaner, Adsorption Filter

LUMILITE Sanitation Fabric
Medical and physiological usage



LUMILITE Shower head
Remove residual Chlorine, Protect hair & tender skin

LUMILITE Water purifier
Clean radionuclide(^{131}I、^{137}Cs)-polluted water

LUMILITE eco-friendly growth promotion agent (Liquid)

LUMILITE eco-friendly growth promotion agent (Solid)

LUMILITE Sea-water Aquarium (No water change)

LUMILITE Fresh-water Aquarium (No water change)

LUMILITE Decoration Agent (Block electromagnetic waves, Remove toxic materials, Regulate humidity)

LUMILITE Sleeping room on resort

LUMILITE Deodorization Facility

LUMILITE Block electromagnetic waves for mobile phone

LUMILITE Application

MAY GARDEN(Daegu, Korea)
No water change
Remove ammonia nitrogen smell
Promote aquatic life's growth
Regulate indoor humidity

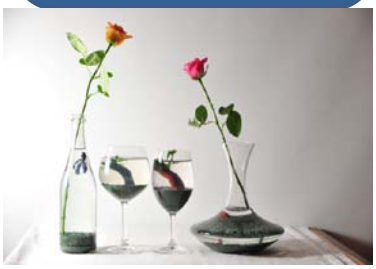
LUMILITE Application

LOYAL FAMILY Kindergarten (Daegu, Korea)
No water change
Remove ammonia nitrogen smell
Promote aquatic life's growth
Regulate indoor humidity

LUMILITE Application



VITIS (Daegu, Korea)
Decoration props
No water change
Remove ammonia nitrogen
Promote aquatic life's growth



● Scope of Business

(I)Water treatment area

Type of treatment water

①Small and medium scale of flowing water(e.g. river channel, canal, gulf, etc.)

②Large scale of quiet water(ground water e.g. dam reservoir, lake, pond, fish farm, etc.)

③Living and drinking water, special purpose water, municipal living sewage, various industrial sewage

④Fish farm, landfill percolating water

Treatable pollutants

Effective removal of various hazardous heavy metal, non-metal, oil, humic substance, blue-green algae, suspended matter, odor, etc. from water. Effective control of biochemical oxygen demand(BOD), chemical oxygen demand(COD), etc. Effective reduction of turbidity or enhancement of transparency.

(II)Sea water desalination

Sea water desalination technology

(III)Municipal house refuse recycling

Reuse of municipal house refuse to produce fuel, fertilizer, forage, and other pollution-free resources.

(IV)Environmental smell and odor control

Control of odor from living environment, factory, fish farm, landfill, etc.

(V)Soil melioration

Soil restructure, alkali or acid soil melioration, scientific farming and soil pollution control

(VI)Oil pollution control

Water or soil extraction from oil-polluted water or soil

(VII)Radionuclide pollution treatment

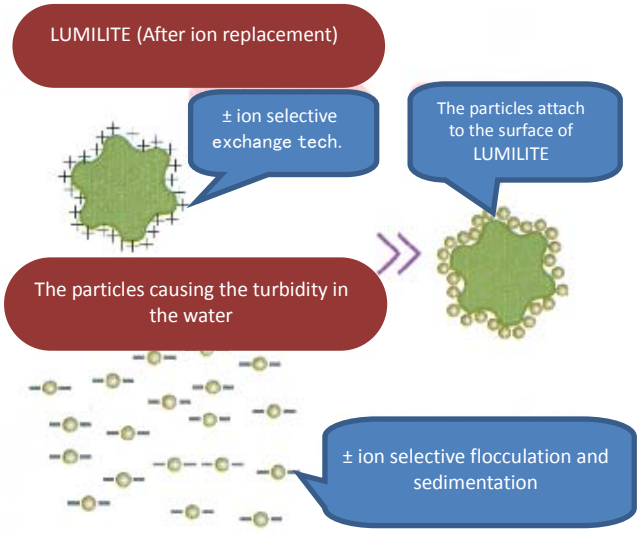
Treatment of radionuclide(^{131}I、^{137}Cs)-polluted water or soil

● LUMILITE water treatment technology

After occurrence of a large scale of water reservoir pollution the most urgent and serious question is **"Who can satisfactorily control water pollution, adopting what kind of effective and safe technology, taking how long time and expending how much?"** This is one of the well-known difficult tasks that draw attention from contemporary people. In order to resolve a large scale of water reservoir pollution, many people are currently engaged in exploring a solution. Luckily under the background that whole society is determined to control a large scale of water reservoir pollution, Dr. KI HO PARK firstly developed eco-friendly LUMILITE water treatment technology, having spent more than decade investing

a huge fund and absorbing success experiences and failure lessons summed up by predecessors or companions. LUMILITE water treatment technology currently ranked the world leading level, passing innumerable tests and actual application research. As such, LUMILITE water treatment technology acquired a new technology authentication from and was registered with **the Japan Ministry of Construction on Sep., 2007. Reg. No (NETIS): QS-070011-A.** For details, please enter website of the Japan Ministry of Construction.

LUMILITE Technology- The principles of flocculation and sedimentation



One day after LUMILITE treatment, 99% of major pollutant like blue-green algae is removed by flocculation and sedimentation. The sediment is naturally disintegrated after a certain while.

Main features and advantages

LUMILITE water treatment technology is innovative, low in cost, simply applicable, and highly effective for a long time.

①Without a complicated treatment facility a large scale of water reservoir can be easily purified;

②Treatment processing time is short but high effect is long-lasting. (Water quality of Japan Ikisa dam reservoir has remained stable and intact for more than 3 years since its treatment and also water quality on the river bed of downstream region of the dam has been radically improved.);

③Treated water is safe enough to cause no secondary pollution. Precipitated sediment biodegrades without being eluted again;

④Temperature varying with the season or other natural environmental factors are not influential. Safe and radical treatment effect is sure and long-lasting;

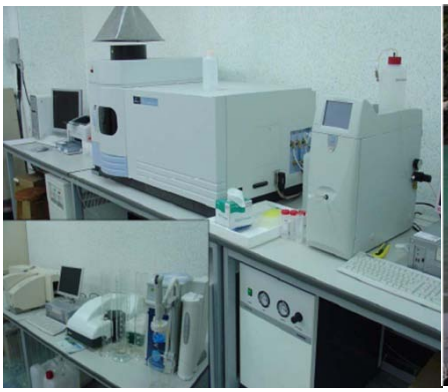
⑤Water treatment material is eco-friendly, low in cost and has a wide range of applications;

LUMILITE water treatment technology is eco-friendly using both physical and biological treatment method. Differently from existing water treatment technologies, if compared, precipitated sediment is permanently solidified or naturally disintegrated by bacteria without being eluted again or causing secondary pollution.

Water treatment agent is made of natural minerals as main carrier with patented positive and negative ion exchange technology applied. In addition, organically combined with various eco-friendly additives **LUMILITE** technology purifies water without affecting aquatic life and causing side effects. On the contrary, **LUMILITE** technology promotes healthy growth of aquatic life. Precipitated sediment can be utilized as organic fertilizer so that it can meliorate soil and promote growth and production of the crops.

LUMILITE water treatment process

1. Deciding treatment method thru analysis



2. Removing non-biodegradable plastic and refuse

3. Mixing LUMILITE treatment agent (1/2)

3. Mixing LUMILITE treatment agent (1/2)

4. On-site spraying treatment agent over water surface

● What is the distinctive difference between numerous existing water treatment technologies and LUMILITE water-purification technology?

The Japan Ministry of Construction had long endeavored to find eco-friendly(environmentally sound and sustainable) water treatment technology that is easy to be applied to a large scale of waste water treatment site, but it could not find such technology that could satisfy all aspects of technological innovativeness, economic feasibility and simple application.

The till-then available water treatment technologies could succeed or fail to purify the water according to hydrogen-ion concentration that the water-treatment site has under exposure in natural condition, turn-over phenomenon by depth of water, water temperature at the time of treatment, and pollutants that cause water quality deterioration.

In other words, the existing water treatment methods could obtain good results in indoor tests or small scale experiments (e.g. eco-friendly poly glucose cohesion technology using *natto* bacteria, filtering technology using membrane penetration, plant water-treatment technology using a reverse osmosis, polluted-sediments resolving bio-technology using anaerobic and aerobic bacteria, cohesion-precipitation technology using natural porous minerals as kaolin, illite, zeolite, diatomite, elvan, hornblende gneiss, etc., polluted-sediments dredging technology : Water quality of Kasumikaura river was deteriorated to its original state of pollution in a couple of ten days after the dredging budgeted for about 100 billion Japanese Yen, floating-block removing technology after solidification of polluted sediments, ozone irradiation technology, dissolved-oxygen increasing water treatment technology using nano-oxygen generating method, water purification technology in flowing river using porous bio-block, water treatment technology using electrolysis and plasma, water purification technology using a large scale of water treatment plant, photocatalytic water treatment technology using titanium dioxide etc., water treatment technology using red-clay spraying method at the time of red or green tide, water purification technology by cultivation of water treatment plants, pollutants removing technology using floating cleaning robot, etc.), but had yet to succeed in water treatment and ecological recovery in a large scale of a drinking water source, dam reservoir through prolonged period.

Differently from the existing technologies that may end up with a success or failure according to the complicated site conditions(various causes for the water quality deterioration e.g. raw water temperature, hydrogen-ion concentration,

wind, depth of water, etc., and various pollution phenomena e.g. heavy metal ion elution, green tide, red tide, polluted sediments, turbidity level, increase in total phosphorous or nitrogen, chromaticity, bad smell), has LUMILITE technology focused in simple application without a complicated treatment facility, and in spraying small amount of LUMILITE that can progress in due order of first, cohesion-precipitation, second, suppressing polluted sediments elution and long term disintegrating polluted sediments by bacteria(A drinking water source, Japan Ikisa dam-reservoir has been showing excellent performance for more than 3 years since its water treatment in terms of suppressing heavy-metal elution and natural disintegrating polluted sediments called Sasanigori in soil-brown color on the river bed of downstream region of the dam), and third, ecological recovery in the dam reservoir and the river basin(improved diversity of species, resumption of self-purification by virtuous circle of the river, suppressed organic pollutants on the river bed), and could be registered as a new technology with the ministry of construction as a result of enduring test by strict Japan expert panel(It is significantly meaningful that the Japan ministry of construction issued a new technology registration number historically for the first time to the LUMILITE technology that allows for treatment agent to be directly sprayed over drinking water source for human consumption, contrary to other existing technologies which can not be applied until after water quality test result comes out in water treatment plant for drinking-water source reservoir, dam reservoir, river, sea or fish farm. Technology of direct spraying over drinking water source is also recognized the world first.)

● Other Problems

With regards to the addressed issue that a comparative experiment is required on various aspects e.g. performance, economic feasibility, and secondary pollution (deposited sediments, etc.) between LUMILITE and other various water treatment materials of perlite, illite, montmorillonite, hornblende gneiss, red clay, zeolite, synthetic zeolite, etc., water treatment materials approved under environmental protection laws and regulations of many countries include both zeolite and illite. However, currently available high purity zeolite and illite can not produce sufficiently improved water treatment result, if sprayed to polluted water.

The reason is that although the two materials that have ion-exchange capacity have been frequently reported to perform improvement of water quality in indoor test that is quoted in tens of thousand of patents and theses, or in small scale of water treatment testing places, of which the theoretical basis comes from research by various research institutes and university degree courses, however, polluted sediments deposited at the bottom by spraying a large quantity of the material, increased pollution level due to failure of water purification treatment, dying of fish and shellfish living at the bottom from suffocation due to oxygen blocking, elution of heavy metal containing chemicals due to excessive use of the relevant chemicals in water treatment process to enhance ion exchange capacity, etc. cause secondary deterioration of water quality in the natural state of dam reservoir, river, sea, underground water, canal, channel, drinking water source reservoir, etc.

● The Japan Ministry of Construction and the Japan Ministry of Environment require

Water treatment technology certainly guarantee successful water quality improvement regardless of the major contributors to water pollution and the characteristics of polluted sediments, and also be easily applicable without expensive facility, and economically less burdensome due to sparing use of water treatment materials.

Although technology using currently available various cohesion materials can not be applied inherently to drinking water source for human consumption because treated water contains one or more kinds of above-permitted-standard copper, iron, aluminum, manganese, magnesium, calcium, and potassium due to technological limitation on positive-ion-exchange relevant existing technology (PAC, i.e. poly aluminum chloride, copper sulphate, and ferric salt are surely being used), it has been used secretly behind the press and experts with water quality analysis items and their result figures undisclosed so that it can meet the urgent need of construction-site discharging turbid water treatment, and emergent waste water treatment that cause civil complaint.

However, safety of LUMILITE technology was verified by certified Japan water quality analysis institute by easily passing the drinking water quality test several times beyond Japan experts' expectation.

Having gone through above mentioned complicated process, LUMILITE technology satisfied the three standards i.e. technological innovativeness, economic feasibility, and simple application that Japan expert panel suggested, and was thereby registered as a new technology with the Japan Ministry of Construction.

● Major Performance

◎ Comparison photos of before and after water treatment (Korea)

Golf club（Pohang, Korea）

Before

After

Golf club（Andong, Korea）

In process

DOAM water reservoir (Gangwon, Korea)

Turbidity before treatment 977NTU

Spraying agent

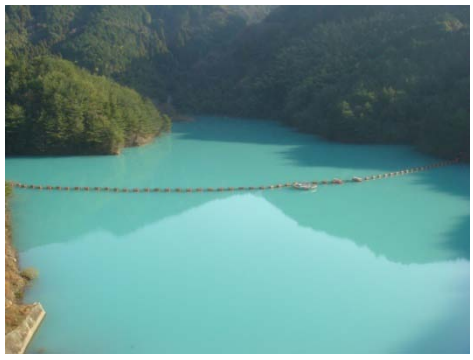
Turbidity 12 hrs after treatment 1~0 NTU

◎ Comparison photos of before and after water treatment (Japan)

LUMILITE water treatment technology was applied to drinking water source like Japan Ikisa dam reservoir, etc. Due to its great success of resolving pollution, **LUMILITE** water treatment technology received a special award from Japan Jiugen Detgojio co.,ltd. on Aug., 2008 and also received an award from Japan Undulate Water Research Institute.

Ikisa dam reservoir, Dojinsi Sagagen Japan — Drinking water source treatment scene（2007.12）

Before treatment(2007.12.18)



After treatment(2008.1.4)

Waterfall before treatment(2007.12.18) **Waterfall after treatment(2008.1.4)**

Japan KURUME water reservoir treatment scene

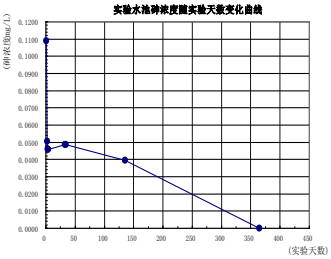
Before treatment (2008.11.10) **After treatment (2008.11.12)** **Before treatment (2008.11.10)** **After treatment (2008.11.12)**

◎ Comparison photos of before and after water treatment (China)

Carp breeding pond treatment scene in Baoan Catholic church, Shenzhen, China (2011.4)

Before treatment **After treatment** **Before treatment** **After treatment**

Demonstration of arsenic removing experiment in Yangzonghai lake, Yunnan, China(2008.12.6～2009.12.5)

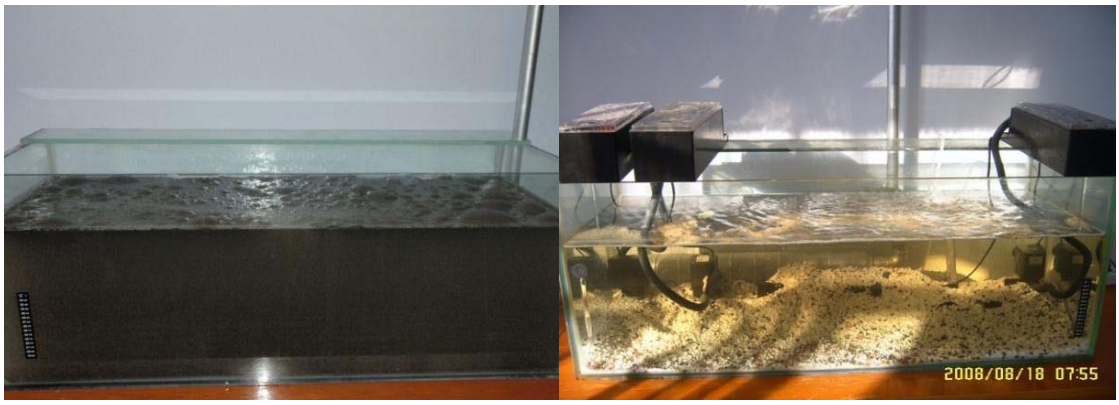


Filling experiment pond with Yangzonghai lake water **Spraying treatment agent over experiment pond** **Appearance of experiment pond water on Dec 11**

Progressive change of arsenic concentration of experiment water

Water quality monitoring unit	Bureau of hydrology of Yunnan province				Water quality control and testing center of China water department			
Water sampling date	12. 6, 2008	12. 7, 2008	12. 8, 2008	12. 9, 2008	1. 8, 2009	1. 9, 2009	4. 10, 2009	12. 5, 2009
Experiment days elapsed	0	1	2	3	33	34	135	365
Arsenic concentration (mg/L)	0. 1091	0. 05045	0. 0460	0. 0457	0. 0485	0. 0486	0. 0396	0. 000000315

Demonstration of living sewage treating experiment in Fanuir city of Neimenggu (2008.8.15～2008.8.18)



Before treatment(2008.8.15) **After treatment(2008.8.18)**

(1) Performance record in Korea

Date	Project Name
2005-08	Water treatment of Shin River, Daegu
2005-08	Water treatment of Doam Dam, Gangleung
2006-08	Water treatment of Baekryung Dam, Incheon
2007-02	Water treatment of catholic church pond, Daegu
2007-05	Water treatment of Seongsan center, Changwon, Gyungnam
2007-06	Water treatment of Seonsan golf club, Gumi
2007-07	Water treatment of TGV golf club, Andong
2007-11	Water treatment of Songmong golf club, Pohang
2009-02	Water treatment of Youngnam univ. pond, Gyungsan
2009-04	Water treatment of Yongyeon temple pond, Dalseong-gun
2009-05	Water treatment of Hakga mountain hot spring, Andong
2009-09	Experimental water treatment of Yongyeon drinking water reservoir, Gwangju
2010-05	Water treatment of golf club, Chilgok
2010-05	Water treatment of children's house pond, Daegu
2010-05	Water treatment of May garden pond, Daegu
2010-07	Treatment of turbid water in Nakdong river area, Gimhae, Gyungnam
2010-07	Experimental water treatment of world-cup stadium pond, Daegu
2011-01	Water treatment of Bomun golf club, Gyungju
2011-01	Water treatment of Hanlim kindergarten, Chilgok
2011-03	Treatment of Gangchang dam turbid water in Nakdong river 23rd area, Gyungbuk
2011-05	Water treatment of world-cup stadium pond, Daegu
2011-08	Water treatment of Daegu world-cup stadium pond using circulation thru LUMILITE CHIP method

(2) Performance record in Japan

Date	Project Name
2006-06	Experimental water treatment of Sendai river Tatsuta dam
2007-06	Experimental water treatment of Tsikugo river Matsubara dam
2007-12	Water treatment of drinking water reservoir, Dojin-si, Saga-gen
2008-04	Water treatment of Kasuga-si park
2008-05	Water treatment of Kurume-si 3rd area
2008-06	Water treatment of sand basin in Kuginoo dam construction site
2008-06	Water treatment of sand basin in Ooita-gen construction site
2008-07	Water treatment of regulating reservoir in private factory
2008-08	Water treatment of Nakamura park, Nagoya
2008-10	Treatment of irrigation water of environmental center, Asakura-si
2008-12	Treatment of turbid water from Yabakei dam construction
2008-12	Water treatment of Sirano river botanical garden
2009-03	Water treatment of Tokyo golf club
2009-08	Water treatment of hydrogen sulfide polluted Ariakegai bay, Kyushu
2009-11	Water treatment of Aomori musu sewage
2009-12	Experimental water treatment of Amanobashitate bay, Kyoto
2010-01	Water treatment of Kubosiro dam construction site
2010-04	Water treatment of pigsty waste water, Asou-si
2010-04	Water treatment of hen house waste water, Handa-si
2010-04	Water treatment of golf club, Okinawa
2010-05	Water treatment of cattle urine, Nagoya
2010-08	Water treatment of Miyosi golf club, Nagoya
2011-04	Experimental removal treatment of radionuclide ^{131}I、^{137}Cs from Hukushima p-plant
2011-05	Water treatment of Okinawa-gen Uraroku-si
2011-05	Water treatment of Miyosi pond, Nagoya
2011-07	Removal treatment of radionuclide ^{131}I、^{137}Cs from polluted soil in Hukushima
2011-08	Water treatment of living sewage in Okinawa

(3) Performance record in China

Date	Project Name
2006-08	On-site experimental water treatment of Beiyun river, Beijing
2007-07	Experimental waste water treatment of refinery, Taiyuan, Shanxi Province
2008-08	On-site experimental water treatment of living sewage, Fanuir, Neimenggu
2008-12	On-site experimental water treatment of arsenic-poisoned Yangzhonghai reservoir, Yunnan
2009-10	Experimental water treatment of Wenhua park pond, Luohu district, Shenzhen
2011-01	Experimental treatment of electro-plating waste water from Fushikang factory, Shenzhen
2011-04	Water treatment of fancy carp pond of catholic church, Baoan district, Shenzhen
2011-06	Water treatment of scenic Silver pond, Shenzhen
2011-08	Water treatment of Xinzhou river, Shenzhen
2011-09	Water treatment of Henjiangli river, Huizhou

● New technology authentication and patent list

Classification	Name (Name of invention or design)	Patent holder/ Model utility right holder	Inventor / Designer	Reg. no
Patent	Air-purifying interior decorating material using LUMILITE	PARK, KI HO	PARK, KI HO	10-083846
Patent	Manufacturing water treatment material using eco-friendly activated natural mineral	LUMILITE LTD. / PARK, KI HO	PARK, KI HO	10-0915958
New technology (Japan)	Water environment purification using natural mineral, LUMILITE	PARK, KI HO	PARK, KI HO	QS-070011-A

After purification in Matsu Ura river area, Japan

Mikaeri waterfall information in Hakata station, Japan

◎ Certified notice of new technology registration with the Japan Ministry of Construction

平成１９年９月２６日

SECRET 公共工事等における新技術活用システム

NETIS 登録のお知らせ

財団法人　九州産業衛生協会　様

国土交通省九州地方整備局は、下記の新技術について NETIS に登録しましたのでお知らせいたします。なお、当該新技術が必ず事業において活用されるとは限らないことをご了承ください。

①新技術名称　天然鉱石ゼオライトを用いた湖沼環境浄化処理
②ＮＥＴＩＳ登録番号　ＱＳ－０７００１１
③公開の範囲　一般まで
④留意事項

- NETIS（申請情報）の掲載期限は、当初に NETIS に登録した日の翌年度の４月１日から起算して３年を経過した日までとします（同一技術について再申請登録は認められません）。ただし、NETIS（評価情報）に掲載されている技術については、上記にかかわらず NETIS（評価情報）への掲載期間中、NETIS（申請情報）における掲載も継続されます。
- 事後評価を受けた技術は、NETIS（技術評価）に提供されますが、NETIS（技術評価）への提供期間中、NETIS（申請情報）での提供も継続されます。
- NETIS（評価情報）の掲載期限は、NETIS（評価情報）に掲載された日の翌年度の４月１日から起算して５年を経過した日までとします。ただし、掲載期間中に当該技術について活用効果評価が実施され、NETIS（評価情報）に反映された場合は、NETIS（評価情報）の掲載期限は、NETIS（評価情報）に反映した日の翌年度の４月１日から起算して５年を経過した日までに変更されるものとします。なお、掲載期限が変更された場合においても、同一技術に対する掲載期限は、当初に NETIS に登録した日の翌年度の４月１日から起算して１０年を経過した日までを限度とし、上記ただし書きにかかわらず、その日をもって掲載を終了します。
- 当該技術について改善を行い、新技術活用評価会議において技術の改善が認められた場合には、NETIS 掲載期間の起算日はリセットされるものとし、新たな申請情報が NETIS（申請情報）に掲載された日を「当初に NETIS に登録された日」とみなします。
- 提出されたデータのバックアップは、変更・更新の手続きの際に必要になりますので、申請者自身で保管しておいてください。なお、手続きの詳細については九州技術事務所ホームページを参照してください。
- 今後、新たな情報等が公表・更新されることがあるため、申請者自身で NETIS のホームページを閲覧し、情報を収集してください。

問い合わせ先：　国土交通省　九州地方整備局
九州技術事務所
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電　話　：　０９４２－３２－８２４５
ＦＡＸ　：　０９４２－３２－８２９２

◎ Korea Patent: Water quality improving technology


□ 대한민국 등록 특허 : 제 10-0831846호(루미라이트 모르타르)

특 허 증

특 허 제 10-0831846 호

위의 발명은 「특허법」에 의하여 특허등록원부에 등록되었음을 증명합니다.

특 허 청

◎ Korea Patent: Air-purifying interior decorating material


□ 대한민국 등록 특허 : 제 10-0915958호(수질정화제)

특 허 증

특 허 제 10-0915958 호

위의 발명은 「특허법」에 의하여 특허등록원부에 등록되었음을 증명합니다.

특 허 청

● Press report


2009年(平成21年)1月8日(金曜日)

川・池の水草繁茂・悪臭"退治"

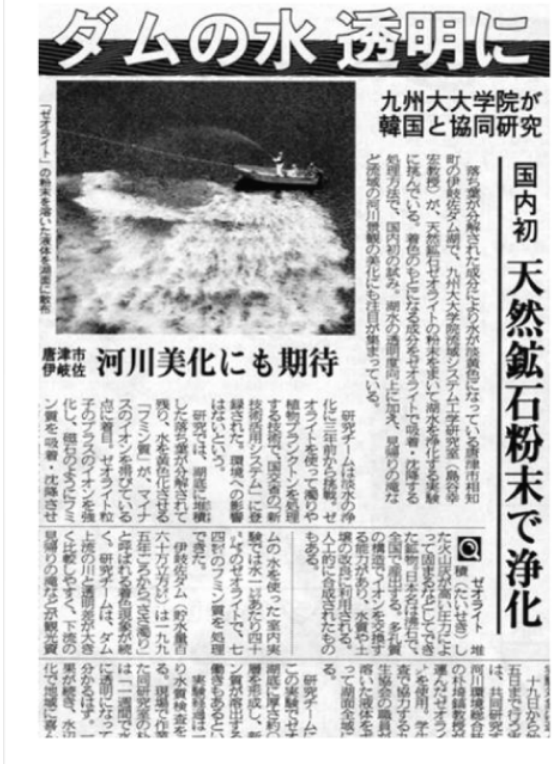
水質改善 エコ技術で

浄化剤・ろ過、成功例も

九州各地、取り組み加速

「路上生活者殴った」

東京・国立競撃 逮捕の容疑者供述


ダムの水 透明に

九州大大学院が韓国と協同研究

国内初 天然鉱石粉末で浄化

河川美化にも期待

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