

HEXA-COVER®  
SELECTED REFERENCES  
WATER & INDUSTRY

Certified for use with  
potable water according  
(AS/NZS 4020:2018)

## Australia

A selection of Australian projects

NSW:

Sawpit (Wastewater - WWTP)

VIC:

Bairnsdale

Bendigo

Bemm River (2.000 m<sup>2</sup> raw water)

Gippsland (1.900 m<sup>2</sup> water storage)

Hayfield (6.000 m<sup>2</sup> water storage)

Laverton

Omeo (4.300 m<sup>2</sup> raw water)

QLD:

Brisbane (1.100 m<sup>2</sup> water reservoir)

Fraser Island

Gayndah

Lake Clarendon (1.600 m<sup>2</sup> irrigation water)

Laura

Townsville

Yeppon +

11.000 m<sup>2</sup> water storage and

2.950 m<sup>2</sup> water storage

WA:

2.300 m<sup>2</sup> water reservoir

30.150 m<sup>2</sup> water reservoirs

*"How's this for a dam great idea?"*

*Hundreds of these tiny hexagons are being installed on dams across the Great Southern as part of a new water saving trial.*

*The hexagonal discs - known as HexaCovers - are made from 100 percent recycled plastic and have been shown to reduce evaporation by 73 percent.*

*The covers were installed by majority Aboriginal-owned construction company, Benang and will reduce the need for water carting while also helping protect water quality.*

*Well done to Water Corporation for thinking outside the...square!"*

Hon. Simone McGurk, Minister for Training and Workforce Development, Water - Industrial Relations

[Link - ABC News](#)



## Better Water and More of It

Jaymie Dawes at Omeo WTP Raw Water Storage Reservoir

The Omeo WTP raw water storage reservoir draws water from Butchers Creek which has had issues with algae growth in the past. Algae would be carried from the river into the lined reservoir above the plant. The algae make the water more difficult to treat to potable water standards.

Unwanted nutrients from ducks and wildlife accessing the reservoir also compounded the algae problem. As a result, the reservoir required regular emptying and cleaning, to mitigate the effects of algae on water quality and treatment.

Aiming to reduce reservoir maintenance and the intensity of treatment required, a thorough assessment of available reservoir covers was performed. Critical factors included capital cost, maintenance cost, and effectiveness in reducing UV penetration (thereby limiting growth of algae).

In this case significant evaporation reduction was seen as an added benefit rather than a critical factor.

Hexa-Cover® were determined as the preferred technology and were used to cover the raw water reservoir at Omeo WTP. Installation was achieved by pouring shipping containers of the tiles into the reservoir.

East Gippsland Water's Coordinator Environmental Services, Jaymie Dawes says the results of installing Hexa-Covers at Omeo have been positive.

*"We installed 108,000 Hexa-Cover® discs in June 2017, and since have seen a notable reduction in algae growth and E.coli in our raw water storage, which makes the water much easier to treat. We are now well into the third summer since installation and the reservoir has not needed to be emptied or cleaned."*

The hexagonal tiles float freely on the water surface and arrange themselves in a grid that self-compensates for different reservoir shapes and varying water levels. The small size of the tile is an effective deterrent to waterfowl.

Up to 99% coverage of the surface area can be achieved, resulting in reduced evaporation, reduced contamination (from multiple sources) and improved water quality.

Even in situations where there are exposed surface areas as the tiles blow in the wind, water quality improvements appear unaffected.



## BETTER WATER AND MORE OF IT!

Hexa-Cover® at Omeo WTP (Raw Water Storage Reservoir) – The Results Are In!

In June 2017 East Gippsland Water installed Hexa-Cover® modular covers on the raw water reservoir at Omeo water treatment plant, with the aim of controlling algae which was sometimes carried in from the water source.

This was achieved with great success, making the water easier to treat and eliminating the regular emptying and cleaning of the reservoir which was previously required. More details of the installation can be found in the February 2020 edition of Operator.

To quantify the effect of the Hexa-Cover®, thorough testing of water from the reservoir continued and was compared with results from the 2 years prior to installation.



The effects are described and quantified by East Gippsland Water as follows:

Measured Parameter Effect:

Total Biovolume	95% Reduction
Potentially Toxic Biovolume	98% Reduction
E.coli	89% Reduction
Coliforms	Dramatic Reduction
Turbidity	57% Reduction
pH	Less variation
Water Temperature	Negligible Effect

The hexagonal tiles float freely on the water surface and arrange themselves in a grid that self-compensates for different reservoir shapes and varying water levels.

The small size of the tile is an effective deterrent to waterfowl (leading to reduction of E.coli). Up to 99% coverage of the surface area can be achieved, resulting in reduced evaporation, reduced contamination (from multiple sources), improved water quality and reduced operational & maintenance costs.

Water scarcity: a growing problem!

Hexa-Cover® helps Australia reduce evaporation by 73%.

Additionally, Hexa-Cover® eliminates algae growth and prevents unwanted birds and ducks from landing on the covered water.

All to the benefit of the environment and human beings.

[Link, article](#)

Government of Western Australia



*"Made from 100% recycled plastic, the covers were shown to reduce evaporation by 73%, saving more than 1.6 million liters of drinking water, during a recent trial involving researchers from the University of Western Australia in Wellstead, 90km east of Albany."*

## More Water Better Water

[Link, video](#)

ABC News



Another dam well underway:



## Belgium

BE-2860 (1.170 m<sup>2</sup> rainwater tank)  
BE-3300 (5.000 m<sup>2</sup> industrial wastewater basin)  
BE-3300 (5.700 m<sup>2</sup> industrial wastewater basin)  
BE-3511 (water tank)  
BE-8600 (industrial wastewater)  
BE-8630 (1.000 m<sup>2</sup> water tank)  
BE-8700 (industrial wastewater)  
BE-8755 (industrial wastewater)  
BE-8800 (water storage tank)  
BE-8820 (water storage tank)  
BE-8830 (water tank, irrigation)  
BE-9070 (water storage tank)  
BE-9831 (rainwater tank)  
BE-9850 (water storage tank)

## Botswana

Orapa (1.600 m<sup>2</sup> raw water)

## Brazil

Holambra, SP (3.500 m<sup>2</sup> water reservoir irrigation)  
Rio Grande du Sul (wastewater, petrochemical)  
Sao Paulo (industrial wastewater)

## Canada

BC (wastewater tank)  
Cremona, AB (wastewater tank)

Markham, ON (wastewater tank)  
Macoah, BC (1.000 m<sup>2</sup> wastewater / WWTP)  
Millbrook, ON (wastewater tank)  
Saskatoon, City of, BC (4.000 m<sup>2</sup> wastewater pond)  
Toronto, ON (4.000 m<sup>2</sup> effluent lagoon)  
Truro, NS (process water, dairy)

City of Nakusp, BC - 4.000 m<sup>2</sup> WWTP reservoir



*"Familiar with the Hexa-Cover®, I felt the product could nicely cover the lagoon, controlling the algae growth as the sunlight would not be able to penetrate into the water. Additionally, the Hexa-Cover® would enable the aeration process and fluctuating water levels to continue"*

Mike Pedersen, Director of Operations

## Chile

Antofagasta (total of 26.000 m<sup>2</sup> water storage)  
BioBio (2.500 m<sup>2</sup> wastewater facility)  
ConCon (2.700 m<sup>2</sup> wastewater facility)  
Iquique (total of 39.000 m<sup>2</sup> water storage ponds)  
Lomas Bayas (total of 21.400 m<sup>2</sup> tailings ponds)  
Santiago (industrial wastewater, refinery)  
Santiago (total of 8.400 m<sup>2</sup> industrial wastewater)  
Tarapacá, Chile (5.000 m<sup>2</sup> ILS, PLS)  
Tarapacá, Chile (2.400 m<sup>2</sup> water storage facility)



## China

Beijing (1.000 m<sup>2</sup> contaminated wastewater, petro)  
 Beijing (total of 7.500 m<sup>2</sup> industrial wastewater)  
 Beijing (industrial wastewater, brewery)  
 Guangxi province (wastewater, chemicals)  
 Hebei (industrial wastewater)  
 Shandong Province (industrial wastewater)  
 Shanghai (industrial wastewater, dairy)  
 Tianjin (industrial wastewater)  
 Tianjin (1.000 m<sup>2</sup> ind. wastewater, chlor-alkali)  
 Tianjin (3.300 m<sup>2</sup> wastewater, petrochemical)

*and the water from the dewatering is led to an "Anita Mox" process.*

*This process should preferably stay above 18° degrees, so it is important that the temperature does not drop too low in the storage tank.*

*To avoid this, we have installed Hexa-Cover® and by doing this we have reduced the heat loss in the storage tank.*

*The temperature of the Anita Mox® process is raised from 17.2° C to 19.7° C (measured from January to February 2013), despite temperatures down to -15° C"*

Henrik Thygesen, Coordinator – Operations



Nordic Sugar A/S: 1.300 m<sup>2</sup> wastewater reservoir

*"We chose Hexa-Cover® for covering our pool for several reasons.*

*First of all the Hexa-Cover® ensure an effective reduction of odors but also because the solution is simple and straightforward. The Hexa-Cover® is poured in, and automatically they create a coherent cover and automatically adapt to changes in the water level. The lifetime of 25 years was another factor. We are very pleased with the choice of Hexa-Cover®"*

Ture Kliving, Environment Responsible



## Croatia

HR-31000 (industrial wastewater)

## Czech Republic

CZ-471 29 (industrial wastewater, Food & Bev)

## Denmark

Holbæk Spildevand A/S

*"We have Thermophilic digested biological sludge, digested at 55 degrees. This is done in the digester, from which the sludge is fed to a open storage tank. Subsequently the sludge is dewatered,*

Sashimi Royal, DK-7730

"Since 2017 we have used Hexa-Cover® in our sea water tank in order to control growth of algae.

Our conclusion is very clear; Hexa-Cover® is a very effective tool to avoid growth of algae as the sun is blocked from affecting the water. Further, the Hexa-Cover® is very easy installed, it requires no maintenance, no service and no repair.

Prior to choosing Hexa-Cover® we also considered a tank-top but as we are located right at the seafront, we realized that we needed a long lived solution in no risk of being damaged by wind. We are very pleased about Hexa-Cover®."

Christian Bidstrup, Technician



Rockwool International A/S, DK-9500

2 x 1.250 m<sup>2</sup> water storage tanks

*"We are now experiencing a significant difference. There is no clogging of filters because of algae and this means no stoppages at the plant, which again means huge savings in our operational costs.*

*Furthermore, the Hexa-Cover® solution is - compared to i.e. tents and tarpaulins as several industries are using to cover large containers - a much cheaper and easier solution.*

*In fact the Hexa-Cover® comes at around half the price of a traditional tent or tarpaulin and they are very easy to install and operate.*

*You simply add the Hexa-Cover® into the container, and they distribute themselves automatically making a cover that needs no inspection and/or servicing.*

*So, all in all, we are very satisfied with the Hexa-Cover® solution*

Christian Jensen, Process Manager



## Ecuador

New Quito International Airport (firefighting)

## Estonia

EST-44106, Kunda (process water)

## Finland

FIN-99250 (CCD - counter current decantation)



## France

F-01150 (chemicals)

F-01160 (water tank)

F-01360 (chemicals)

F-03390 (leachate)

F-03600 (retention tank)

F-06500 (water tank)

F-10160 (industrial wastewater)

F-10160 (irrigation water)

F-13117 (chlorinated solvents)

F-13117 (industrial wastewater)

F-13117 (1.000 m<sup>2</sup> industrial wastewater)

F-13130 (chemicals)

F-13130 (polluted water)

F-13131 (chemicals)

F-13131 (industrial wastewater)

F-13773 (1.400 m<sup>2</sup> industrial wastewater)

F-17140 (water tank)

F-17520 (water tank)

F-17800 (water tank)

F-22450 (6.000 m<sup>2</sup> water reservoir (Irrigation))

F-26000 (water storage tank)

F-26310 (water tank)

F-26560 (water storage facility)

F-29 (water tank (irrigation))

F-29279 (industrial wastewater)

F-30390 (1.000 m<sup>2</sup> industrial wastewater)

F-31200 (water storage)

F-35500 (water storage, irrigation)

F-36 (1.850 m<sup>2</sup> water storage)

F-36400 (wastewater)

F-36600 (1.300 m<sup>2</sup> digestate basin)

F-37510 (water Tank (irrigation))

F-38150 (chlorine)

F-38150 (industrial wastewater)

F-38360 (nitric acid)

F-38670 (VOC reducing)

F-40800 (industrial wastewater)

F-41700 (water tank)

F-41700 (industrial wastewater)

F-42163 (industrial wastewater)

F-44190 (water tank)

F-44660 (water tank)

F-45 (1.200 m<sup>2</sup> water storage)

F-45250 (water reservoir)

F-53602 (chemical tank)

F-56140 (industrial wastewater)

F-56607 (chloric acid)

F-57500 (2 x retention tanks)

F-59152 (water tank)

F-59279 (1.300 m<sup>2</sup> emergency tanks)

F-60190 (retention tank)

F-60190 (industrial wastewater)

F-60191 (retention tank)

F-60350 (2.100 m<sup>2</sup> industrial wastewater)

F-60350 (industrial wastewater)

F-60550 (industrial wastewater)

F-68390 (industrial wastewater)

F-69190 (industrial wastewater)

F-69191 (chemicals)

F-69560 (irrigation water)

F-69583 (industrial wastewater)



F-74156 (retention tank)  
F-75000 (rainwater retention basin)  
F-76200 (industrial wastewater)  
F-81 (process water)  
F-82700 (1.800 m<sup>2</sup> industrial wastewater)  
F-85170 (industrial wastewater)  
F-93155 (diesel tank (Hexa-Cover® Oil & Gas))  
F-93155 (water storage (storm water))  
F-93155 (industrial wastewater (petrochemical))  
F-93155 (tater tank)  
F-95310 (water tank)

*“Sur le site de SAUSHEIM methanisation nous avons besoin de couvrir une b che de stockage de centrats charges en phosphore afin de limiter la croissance d’algues.*

*Cette b che stockage ayant un niveau fluctuant il fallait egalement que la couverture soit mobile.*

*Nous avons decide d’installer une couverture flottante Hexa-Cover®.*

*Cette technologie nous assure une installation tres facile. La couverture est composee de petits elements ivres en Big Bag qu’il suffit de verser dans l’ouvrage, ils flottent en surface, ils sont autoplant et ne necessitent pas d’entretien.*

*La couverture flottante ne craint pas les déchirures, elle est garantie 10 ans, avec une duree de vie prevue de 25 ans.*

*Nous sommes satisfaits de la couverture Hexa-Cover®”*

G. GAILLARD



## Germany

D-031 (leachate tank)  
D-03249 (water tank, firefighting)  
D-04509 (water tank)  
D-06237 (2.300 m<sup>2</sup> emergency water tank)  
D-06237 (industrial wastewater)  
D-06803 (cooling water)  
D-17087 (wastewater)  
D-17091 (polluted surface water, compost. plant)  
D-17389 (2 x 2.500 m<sup>2</sup> wastewater)  
D-18519 (polluted surface water)  
D-19288 (process water)  
D-22113 (leachate)  
D-24539 (water storage tank)  
D-25524 (industrial wastewater)  
D-25572 (leachate)  
D-31275 (process water)  
D-32805 (municipal wastewater)  
D-35764 (municipal WWTP)  
D-38106 (wastewater)  
D-38106 (wastewater tank, WWTP)  
D-38373 (municipal leachate)  
D-39418 (process water)  
D-47829 (chemical tank)  
D-50129 (sewage treatment plant)  
D-66115 (process water)  
D-67227 (2.200 m<sup>2</sup> industrial wastewater)  
D-69469 (sewage treatment plant)  
D-71334 (water tank)

D-73497 (process water)  
D-84489 (1.200 m<sup>2</sup> process water)  
D-87787 (industrial wastewater, brewery)  
D-97421 (municipal WWTP)  
D-98634 (industrial wastewater)

[Video - installation](#)

Hamburg Port Authority, D-21159

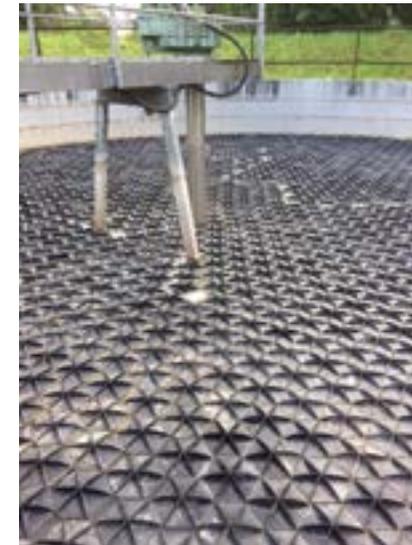
SKZ-TeConA GmbH, D-97076:

BAUR Folien GmbH, D-87787



*"At SKZ we installed the Hexa-Cover® in a 95° C test facility.*

*The development of moist, and the evaporation is reduced significantly"*



*"We are very satisfied with the Hexa-Cover®. The Hexa-Cover® serve their purpose to reduce the amount of light in the water and thus plant growth in the pond, very well"*

M. Schadwinkel, Hamburg Port Authority

*"Before installing the Hexa-Cover® our customer - a brewery - had many complaints from neighbors about the odor. After the installation the problem is solved"*

## Greece

GR-8648 (wastewater seawater / oil mix)  
GR-1930 (industrial wastewater)

## Hungary

HU-2338 (water storage facility)  
HU-2344 (5.000 m<sup>2</sup> industrial wastewater)  
HU-4300 (6.000 m<sup>2</sup> water reservoir)

## Iceland

Reykjavik (industrial wastewater)

## India

Gujarat 380024 (industrial wastewater)

## Ireland

O'Neills Sportswear, Dublin  
*"We are very happy with the performance of the Hexa-Cover®, the odor problem has disappeared"*



Listowel, Co. Kerry (industrial wastewater)  
Mellow, County Cork (wastewater)  
Meath (1.150 m<sup>2</sup> wastewater, brewery)



## Israel

3.500 m<sup>2</sup> (water reservoir, irrigation)  
20.000 m<sup>2</sup> (water reservoir, irrigation)

## Italy

I-24060 (industrial wastewater)  
I-40128 (1.100 m<sup>2</sup> industrial wastewater)  
I-45011 (water storage)  
I-51012 (industrial wastewater)  
I-63900 (water tank, irrigation)  
I-67063 (industrial wastewater (Coca-Cola®))  
I-70038 (water tank)  
I-95121 (industrial wastewater, refinery)

## Japan

Hakata area (industrial wastewater)  
Tokyo area (industrial wastewater)  
Tokyo area (leachate)



## Jordan

Amman (7.900 m<sup>2</sup> water storage facility)

## Kazakhstan

Aktogay (4.000 m<sup>2</sup> PLS reservoir)

Almaty (1.650 m<sup>2</sup> PLS reservoir)

## Korea

Seoul (wastewater)

## KSA

Water storage facility

Industrial wastewater

1.100 m<sup>2</sup> wastewater ponds (60-90° VOC)

4.800 m<sup>2</sup> wastewater storage facility

4.350 m<sup>2</sup> water storage

## Mexico

104.000 m<sup>2</sup> Tailing Pond



## Morocco

Casablanca (total of 9.000 m<sup>2</sup> leachate reservoirs)



## Netherlands

NL-4286 (water tank)

NL-6163 (industrial wastewater)

NL-6167 (10.600 m<sup>2</sup> industrial wastewater)

NL-6170 (16.000 m<sup>2</sup> industrial wastewater)

NL-6170 (9.000 m<sup>2</sup> industrial wastewater)

NL-6171 (6.850 m<sup>2</sup> industrial wastewater)

NL-9936 (1.000 m<sup>2</sup> industrial wastewater)

*"We are satisfied with the use of the Hexa-Cover® to cover up one of our proceswater bassins. The odor in the area has reduced drastically"*





## Norway

N-4029 (chemicals)

N-5954 (wastewater / crude oil)



## Romania

RO-01 (wastewater)

RO-07 (industrial wastewater)

RO-50 (wastewater, homogenization tank)

RO-54 (landfill / wastewater)

RO-70 (SBR Tank)

## Singapore

Chemicals

## New Zealand

North Island (7.000 m<sup>2</sup> wastewater lagoon)

South Island (1.040 m<sup>2</sup> sewage treatment pond)

South Island (1.900 m<sup>2</sup> wastewater pond)

South Island (3.460 m<sup>2</sup> wastewater)

South Island (19.500 m<sup>2</sup> wastewater facility)

## Oman

4.160 m<sup>2</sup> process water

## Slovak Republic

82412 (process water)

99128 (industrial wastewater)

## Portugal

PT 2380 (industrial wastewater)

PT 3800 (industrial wastewater)

PT 3860 (water tank, firefighting)

PT 4415 (industrial wastewater)

PT 7220 (water tank, irrigation)

## South Africa

Durban area (4.500 m<sup>2</sup> industrial wastewater)



## Spain

Tecnoalimnt, S.L., Pobla de Segur, Lleida

*"We have a water storage facility of about 10.000 m<sup>3</sup> located in La Pobla de Segur (Lleida). For obvious reasons, water evaporation is very important in this area because of the height above sea level. Therefore, we were looking for a solution to reduce this loss. As the water level in the reservoir varies a lot, the solution chosen would have to allow also to adapt to this.*

*Based on the above, we chose to cover the reservoir with the Hexa-Cover® as this solution offers all the required features we requested.*

*After the installation we have seen a significant reduction in evaporation of around 75-80% which represents an extra saving of water for us.*

*In addition, we have noticed a significant improvement in water quality as Hexa-Cover® also is very effective in stopping the growth of algae - there is simply no penetration of light into the water which means no growth of algae, what entails a significant increase in water quality. This improvement in water quality means a significant saving in chemicals to treat water and also an improvement in the supply without seals in the filters.*

*For all this, we can say that we have found the ideal solution. Indeed, the Hexa-Cover® is very effective, very easy to handle and does not require any additional service, maintenance or supervision.*

*Hexa-Cover® is highly recommended and represents a good long-term investment"*

Joan Ramon Porta, Director



Atlas Gestión Medio Ambiental, S.A. (Barcelona, Spain) chose Hexa-Cover® to reduce the odor level in two leachate ponds from a hazardous waste controlled landfill

*"To reduce odors, we chose the Hexa-Cover® for our 2 leachate ponds.*

*The main reasons for choosing Hexa-Cover® were its ability to reduce odors and that it is a solution that does not require permanent structures, and therefore minimizes the installation and maintenance costs associated with this type of roof.*

*Even the installation is very simple and simple, Hexa-Cover® is launched directly into the ponds and each of the elements are distributed and placed automatically creating a uniform cover.*

*Another important aspect is the automatic adaptation to any change in the liquid level.*

*We are very pleased with the choice of Hexa-Cover®*

Xavier Mundet , Director General



## Spain

E-04700 (1.600 m<sup>2</sup> water tank)  
 E-06220 (cooling water)  
 E-06170 (water tank)  
 E-06870 (water tank)  
 E-08781 (total of 5.800 m<sup>2</sup> leachate)  
 E-08184 (water tank)  
 E-08272 (hazardous wastewater)  
 E-14546 (water tank)  
 E-23440 (water tank (irrigation))  
 E-25123 (water reservoir)  
 E-25242 (water tank)  
 E-25316 (2 x water tanks)  
 E-25753 (water tank)  
 E-28300 (WWTP (pharmaceutical industry))  
 E-28320 (16.000 m<sup>2</sup> landfill)  
 E-28830 (water tank (irrigation))  
 E-33401 (wastewater, WWTP)  
 E-35450 (water tank (irrigation))  
 E-35500 (7.100 m<sup>2</sup> water basins, irrigation)  
 E-36006 (1.720 m<sup>2</sup> effluent lagoon)  
 E-37420 (2.000 m<sup>2</sup> leachate pond)  
 E-38000 (water tank (irrigation))  
 E-38080 (1.320 m<sup>2</sup> water tanks (irrigation))  
 E-42005 (water tank (irrigation))  
 E-42005 (wastewater)  
 E-43110 (styrene tank)  
 E-43439 (water tank)  
 E-43460 (water tank)  
 E-43460 (industrial wastewater)

E-44580 (water tank)  
 E-48001 (1.700 m<sup>2</sup> leachate basin)  
 E-48002 (leachate)  
 E-49708 (water tank)  
 E-50290 (water storage tank)  
 E-61100 (water basin, solar plant)  
 E-68100 (water basin, solar plant)

## Switzerland

CH-1860 (water storage)  
 CH-6147 (wastewater)  
 CH-6287 (water storage)  
 CH-8353 (water storage)  
 CH-8552 (water storage, irrigation )

## Taiwan

Taipei: municipal WWTP

## Thailand

Bangkok area (water tank)

## Turkey

54000 ( 6.100 m<sup>2</sup> industrial wastewater, sugar)

## UK

DA11 (industrial water storage)  
 DA11 (1.200 m<sup>2</sup> water storage reservoir)  
 EH27 (industrial wastewater)  
 NG 33 (industrial wastewater)



## USA

Alexandria, LA:

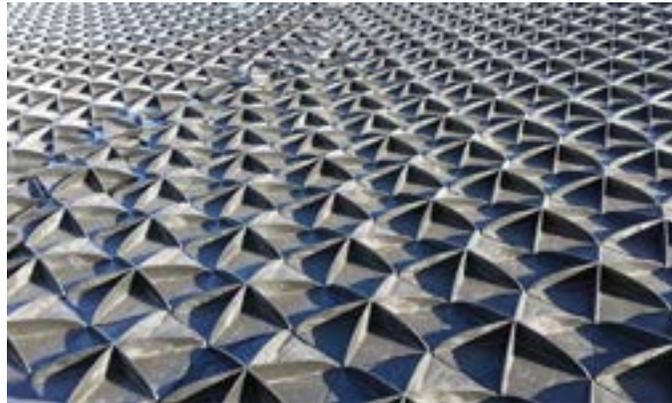
74,000 sqft / 6,875 m<sup>2</sup> wastewater reservoirs)

- Algona, IA (industrial wastewater)
- Bedford, IN (industrial wastewater)
- CA 95469 (water storage facility)
- Canton, OH (industrial wastewater)
- Clarksburg, WV (4,730 m<sup>2</sup> frac water tank)
- Cleveland, OH (industrial wastewater)
- Clinton, TN (wastewater, WWTP)
- CO (5 x frac water tanks)
- Dakota, IL (industrial wastewater)
- Dallas, OR (water storage tank)
- Dallas, WV (2,315 m<sup>2</sup> frac water tank)
- DeBuque, CO (10,500 m<sup>2</sup> water storage)
- Dickson County, TN (sedimentation tank)
- Emporia, KS (industrial wastewater)
- East Palestine, OH (20,100 sqft water tank)
- Francesville, IN (industrial wastewater)
- Gallatin, TN (municipal wastewater)
- Henderson, KY (industrial wastewater)
- Houston, TX (industrial wastewater)

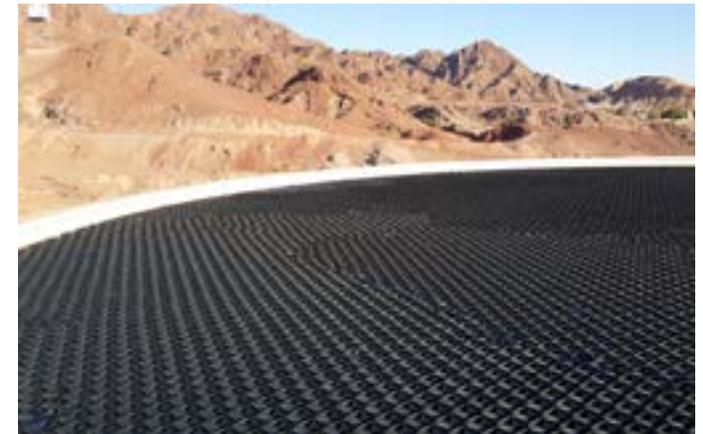
Green Bay, WI:

2,185 m<sup>2</sup> Deicing Storage Pond  
Austin Straubel International Airport)

- Green River, WY (industrial wastewater)
- Jackson, OH (industrial wastewater)
- Kanab, UT (water tanks (wildlife))
- Laurel, MD (industrial wastewater)
- Lewis Run, PA (water storage facility)



- La Porte, TX (contaminated water)
- Marsing, ID (20,000 sqft water storage)
- Mesa Verde, CA (water storage facility)
- Medaryville, IN (industrial wastewater)
- Milkford, OH (1,950 m<sup>2</sup> wastewater reservoir)
- Monaca, PA (industrial wastewater)
- Monroe, WI (1,235 m<sup>2</sup> equalization tank)
- Moorhead, MN (water storage facility)
- Pacheco, CA (1,800 m<sup>2</sup> water reservoir)
- Port Arthur, Texas (water Storage tank)
- Piketon, OH (water storage facility)
- Port Arthur, TX (water storage facility)
- Princeton, NJ (water storage tank)
- Springfield, PA (water storage facility)
- Sonora, CA (wastewater)
- St. Croix, USVI (32,300 sqft storage facility)



## Napa Berryessa Resort Improvement, Napa, CA

Napa Berryessa Resort Improvement, chose Hexa-Cover® for a wastewater application for controlling odor, algae and evaporation

Hexa-Cover® is installed at Lake Berryessa Wastewater Treatment plant, 1465 Steele Canyon Road, Napa. The application is to cover two concrete equalization basins.

### Process:

Raw sewage from homes and resort, flow from gravity and lift stations into headwork's Lakeside Spiral Screen, screened water into two equalization basins with Hexa-Cover®, then to Ovivo MBR, to effluent basin or alternate overflow basin, then pumped to reservoir off site for land application.

Plant flow capacity approximately 30.000 GPD now and at build out 60.000 GPD.

*"The visit to the plant was a bit amazing. There was no odor from the "Hexa-Covered" EQ Basins. These EQ basins have very high odor potential and algae potential because of the heavy nutrients coming off the screen. There was no algae, the discs as advertised interlocked, they floated up and down with no problem, and could not help but reduce evaporation.*



*A solid cover presented safety issues, the discs did not. Summit Engineers was going to put aeration in these basins but saw a sample of the Hexa-Cover® product, called references then recommended the Hexa-Cover® installation. It penciled out better than aeration. That was important to this design build project, which Western Water Constructors, Inc. did with Summit.*

*Adjacent to these equalization basins are the effluent basin and overflow basin. These two basins were covered with algae.*

*The point; the Hexa-Cover® eliminates algae!*

*As proof, side by side basins, same plant, same time, two "Hexa-Covered" basins without algae and two uncovered basins with heavy algae. Also, no odor from the EQ basins.*

*The discs arrived in large sacks. Installation was simple; they simply dumped the discs into the basins. Installation was less than an hour. Contrast that to an aeration system"*

## Austin Straubel International Airport

Green Bay, WI

### 2.185 m<sup>2</sup> Deicing Storage Pond

The Austin Straubel International Airport required a new cover for its open water storage pond, which is used for deicing and storm water retention.

Critical to the operation of the airport, the open water pond requires a cover to serve as a bird deterrent and to protect wildlife from the toxicity of glycol.

In addition, the glycol and other chemicals used in the airport maintenance generate strong odors which also need to be controlled.

The unique Hexa-Cover® offers unique features for odor control, algae control, evaporation control and heat retention. The patented design incorporates hexagonal discs constructed of 100% recycled polypropylene with interlocking edges and a buttressed profile that allows for self-leveling, adjustment and dispersion ensuring maximum surface area coverage in all conditions.



The cover was installed with minimal time, cost and equipment, providing almost instant coverage.

Installed in less than 4 hours, bags of discs were emptied into the basin and the cover immediately began serving as a bird deterrent, eliminating odors and keeping wildlife from coming in contact with potentially harmful deicing fluids.

When the pond level fluctuates, the tiles lay on the pond slopes and bottom until the water level rises again.

What could have been a major problem is now a worryfree operation thanks to the Hexa-Cover® System.



**For more information**

Hexa-Cover A/S • Vilhelmsborgvej 5 • DK-7700 Thisted, Denmark • TEL +45 96 17 78 00  
[www.hexa-cover.com](http://www.hexa-cover.com) • [info@hexa-cover.dk](mailto:info@hexa-cover.dk)