

ENVIRONMENTAL BIOTECHNOLOGY • WASTEWATER TREATMENT SKILL DEVELOPMENT



NTHRYS
OPC PVT LTD



**Effluent & Wastewater
Treatment Cultures
Industrial Manufacturing
Training Programs**

A complete industrial catalogue of hands-on wastewater treatment culture training modules — from sewage seeding to industrial effluent bioaugmentation.

59

PROGRAMS

10

CATEGORIES

2026

EDITION

Program Categories at a Glance

This catalogue lists every effluent and wastewater treatment culture our training programs are equipped to manufacture and teach, organised into 10 technology streams. Each program carries a unique product code for easy reference, enrolment and certification.

STREAM	CATEGORY FOCUS	DESCRIPTION	COUNT
NWT-SW	Sewage & Domestic Wastewater Cultures	STP seeding, activated-sludge & BOD-reducer cultures	6
NWT-IE	Industrial Effluent Cultures (ETP)	Sector-specific high-COD effluent degraders	8
NWT-NR	Nitrification & Nutrient-Removal Cultures	Nitrifier, denitrifier & P-removal cultures	5
NWT-DG	Specialized Pollutant Degraders	FOG, phenol, hydrocarbon & toxics degrading cultures	6
NWT-SS	Septic, Drain & Sanitation Cultures	Septic, bio-toilet, drain & soak-pit cultures	6
NWT-AD	Anaerobic Digestion & Sludge Cultures	Digester seed, methanogen & sludge-reduction cultures	6
NWT-BA	Bioaugmentation Consortia	Start-up, shock-recovery & stress-tolerant consortia	5
NWT-OD	Odour & Gas Control Cultures	H2S, ammonia & biofilter odour-control cultures	5
NWT-EZ	Enzyme & Allied Treatment Products	Enzyme, flocculant, defoamer & nutrient products	6
NWT-FT	Formulation & Delivery Technology	Liquid, powder, block & immobilised culture formats	6
Total training programs			59

HOW TO READ A CODE

NWT – SW – 01

NWT Nthrys Wastewater-Treatment Program **SW** Category stream **01** Program number

01

CATEGORY • NWT-SW

Sewage & Domestic Wastewater Cultures

STP seeding, activated-sludge & BOD-reducer cultures

6

PROGRAMS

CODE	TRAINING PROGRAM	DESCRIPTION
NWT-SW-01	STP Seeding Culture	Sewage-plant start-up inoculant.
NWT-SW-02	Activated-Sludge Culture	Aeration-tank microbial culture.
NWT-SW-03	BOD / COD Reducer	Organic-load reduction culture.
NWT-SW-04	Domestic Sewage Degradar	Household-waste degrading blend.
NWT-SW-05	MBBR / SBR Biofilm Culture	Reactor-biofilm seeding culture.
NWT-SW-06	Greywater Treatment Culture	Bath & kitchen greywater culture.

02

CATEGORY • NWT-IE

Industrial Effluent Cultures (ETP)

Sector-specific high-COD effluent degraders

8

PROGRAMS

CODE	TRAINING PROGRAM	DESCRIPTION
NWT-IE-01	General ETP Culture	Broad industrial-effluent inoculant.
NWT-IE-02	Distillery Spent-Wash Culture	High-COD distillery degrader.
NWT-IE-03	Textile / Dye Effluent Culture	Colour & dye degrading culture.
NWT-IE-04	Tannery Effluent Culture	Chrome & protein effluent degrader.
NWT-IE-05	Pharma Effluent Culture	Pharmaceutical-waste degrader.
NWT-IE-06	Paper-Pulp Effluent Culture	Lignin & fibre effluent degrader.
NWT-IE-07	Dairy / Food Effluent Culture	Fat & lactose effluent degrader.
NWT-IE-08	Slaughterhouse Effluent Culture	Blood & protein waste degrader.

03

CATEGORY • NWT-NR

Nitrification & Nutrient-Removal Cultures

Nitrifier, denitrifier & P-removal cultures

5

PROGRAMS

CODE	TRAINING PROGRAM	DESCRIPTION
NWT-NR-01	Nitrifier Consortium	Ammonia & nitrite oxidising culture.
NWT-NR-02	Denitrifier Culture	Nitrate-removal culture.
NWT-NR-03	Anammox Culture	Anaerobic ammonium-oxidation culture.
NWT-NR-04	Phosphate-Removal Culture	PAO phosphorus-removal culture.
NWT-NR-05	Combined N-P Removal Consortium	Total-nutrient-removal blend.

04

CATEGORY • NWT-DG

Specialized Pollutant Degraders

FOG, phenol, hydrocarbon & toxics degrading cultures

6

PROGRAMS

CODE	TRAINING PROGRAM	DESCRIPTION
NWT-DG-01	Oil & Grease Degrader (FOG)	Fat-oil-grease degrading culture.
NWT-DG-02	Phenol Degrader	Phenolic-compound degrading culture.
NWT-DG-03	Hydrocarbon Degrader	Petroleum-hydrocarbon culture.
NWT-DG-04	Surfactant Degrader	Detergent & surfactant degrader.
NWT-DG-05	Ammonia Degrader	High-ammonia reduction culture.
NWT-DG-06	Cyanide / Toxics Degrader	Toxic-compound detoxifying culture.

05

CATEGORY • NWT-SS

Septic, Drain & Sanitation Cultures

Septic, bio-toilet, drain & soak-pit cultures

6

PROGRAMS

CODE	TRAINING PROGRAM	DESCRIPTION
NWT-SS-01	Septic Tank Culture	Septic-system digestion culture.
NWT-SS-02	Bio-Toilet / Bio-Digester Culture	Cold-active bio-toilet consortium.
NWT-SS-03	Drain & Grease-Trap Culture	Drain-line FOG-clearing culture.
NWT-SS-04	Soak Pit Culture	Soak-pit rejuvenation culture.
NWT-SS-05	Portable Toilet Culture	Mobile-sanitation odour culture.
NWT-SS-06	Sewage Odour-Control Culture	Sanitation odour-reducing blend.

06

CATEGORY • NWT-AD

Anaerobic Digestion & Sludge Cultures

Digester seed, methanogen & sludge-reduction cultures

6

PROGRAMS

CODE	TRAINING PROGRAM	DESCRIPTION
NWT-AD-01	Anaerobic Digester Seed	Digester start-up consortium.
NWT-AD-02	Methanogen Culture	Methane-producing archaeal culture.
NWT-AD-03	UASB Granule Culture	Granular-sludge reactor culture.
NWT-AD-04	Sludge-Digestion Culture	Sludge-stabilisation culture.
NWT-AD-05	Sludge-Volume Reducer	Biosolids-reduction culture.
NWT-AD-06	Biogas-from-Effluent Culture	Effluent-to-biogas consortium.

07

CATEGORY • NWT-BA

Bioaugmentation Consortia

Start-up, shock-recovery & stress-tolerant consortia

5

PROGRAMS

CODE	TRAINING PROGRAM	DESCRIPTION
NWT-BA-01	General Bioaugmentation Blend	Broad-spectrum augmentation culture.
NWT-BA-02	Shock-Load Recovery Culture	Upset-recovery rapid culture.
NWT-BA-03	Start-Up / Seeding Consortium	Plant-commissioning culture.
NWT-BA-04	High-Salinity Consortium	Saline-tolerant treatment culture.
NWT-BA-05	Cold-Climate Consortium	Low-temperature active culture.

08

CATEGORY • NWT-OD

Odour & Gas Control Cultures

H₂S, ammonia & biofilter odour-control cultures

5

PROGRAMS

CODE	TRAINING PROGRAM	DESCRIPTION
NWT-OD-01	H ₂ S Control Culture	Hydrogen-sulphide control culture.
NWT-OD-02	Ammonia-Odour Control	Ammonia-neutralising culture.
NWT-OD-03	Biofilter Media Culture	Gas-biofilter seeding culture.
NWT-OD-04	Compost / MRF Odour Control	Waste-facility odour culture.
NWT-OD-05	Lagoon Odour-Control Culture	Open-lagoon odour blend.

09

CATEGORY • NWT-EZ

Enzyme & Allied Treatment Products

Enzyme, flocculant, defoamer & nutrient products

6

PROGRAMS

CODE	TRAINING PROGRAM	DESCRIPTION
NWT-EZ-01	Wastewater Enzyme Blend	Lipase-protease-amylase blend.
NWT-EZ-02	Bio-Flocculant	Microbial flocculating agent.
NWT-EZ-03	Bio-Defoamer	Foam-control microbial product.
NWT-EZ-04	Microbial Nutrient Supplement	Macro / micro nutrient pack for biomass.
NWT-EZ-05	Sludge-Settling Aid	Bioaugmented settling enhancer.
NWT-EZ-06	Lagoon / Pond Treatment Blend	Stabilisation-pond culture.

10

CATEGORY • NWT-FT

Formulation & Delivery Technology

Liquid, powder, block & immobilised culture formats

6

PROGRAMS

CODE	TRAINING PROGRAM	DESCRIPTION
NWT-FT-01	Liquid Culture	Ready-to-dose liquid product.
NWT-FT-02	Dry / Powder Culture	Soluble dry-culture powder.
NWT-FT-03	Slow-Release Block / Tablet	Sustained-dose block product.
NWT-FT-04	Immobilised / Bead Culture	Carrier-immobilised cells.
NWT-FT-05	Spray-Dried Culture	Stabilised dried-culture powder.
NWT-FT-06	Concentrated Culture	On-site activation concentrate.

ENROL • CULTURE • TREAT

Build a Career in Wastewater Bioproducts

Every program in this catalogue is delivered as hands-on training on working fermentation and treatment-plant equipment — covering strain isolation, consortium building, mother & bulk culture, fermentation, drying & formulation, COD / BOD assay & QC, packaging and environmental-compliance support. Mix and match programs to design a track that fits your goals.

59 training programs

10 technology streams

Unique **product code** for every module

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