1	**Monitoring Utilities**			Frequentie	Vergunning	Specificaties			Opmerkingen
	Kanaalwaterintrek geb. 216	pH Geleidbaarheid		Inline	nvt	n.v.t. n.v.t.			afhankelijk van water wat we intrekken / RO straten (<=1,5 µS/cm) /North Water
2	**Metingen QC AWZI**			Frequentie	Vergunning	Specificaties			
	Oppervlakte water (ruw water/kanaalwater)	CZV --> TOC Nkj (=TNb - NO2 - NO3) P BZV		1x/wk	nvt	> 0 > 0 > 0 > 0			Omrekenfactor voor TOC moet nog worden bepaald
2a	Effluent polishingveld (EFPO)	BZV	Etmaal verzamel	min. 3x/week max. 4x/week	1x/week	<20 mg/l			
		CZV-totaal --> TOC	Etmaal verzamel			<125 mg/l			Omrekenfactor voor TOC moet nog worden bepaald
		N-totaal (=TNb)	Etmaal verzamel voortsch.jaar gem.			<20 mg/l <10 mg/l			
		P-totaal	Etmaal verzamel voortsch. 10-daags gem. (=10 wk)			1 mg/l			
		Onopgeloste bestanddelen (VS)	Etmaal verzamel			30 mg/l			n.v.t.
		Imhoff			nee	<=0,2 ml/l			t-correctieprotocol
		pH				6,5 - 9,0			interne spec.
		Geleidbaarheid				1000-5000 µS/cm			interne spec. i.v.m. chloride
		Chloride				>=0 mg/l			
		Sulfaat				0-10000 mg/l			
		Debiet: Intercampagne Debiet: Campagne	AWZI-aflezing klaarmeester	dagelijks	ja	15000 m3/dag 25000 m3/dag			
2b	Effluent totaal (JMBS)	Chloride	Etmaal verzamel voortsch. 10-daags gem. (=10 wk)	3x/week, waarvan 1x/week vergunning	1x/week	400 mg/l 340 mg/l			
		Sulfaat (- <300 mg/l)	Etmaal verzamel voortsch. 10-daags gem. (=10 wk)			250 mg/l 200 mg/l			
		pH	Etmaal verzamel			6,5 - 9,0			
		Geleidbaarheid		3x/week	nee	1000-2000 µS/cm			interne spec. i.v.m. chloride
		Zuurstof Temperatuur	Etmaal verzamel, AWZI-aflezing klaarmeester	1x/dag (inline)	ja	>5 mg/l <30 mg/l			
						DCP	Gelita	Ten Kate	
2d	DCP Gelita	CZV-totaal --> TOC		2x/week	nee	<6707 mg/l	<=10.000 mg/l	<2400 mg/l	Omrekenfactor voor TOC moet nog worden bepaald
		Nkj (=TNb - NO2 - NO3)				<480 mg/l	<=700 mg/l	<331 mg/l	
		P				<42 mg/l	<=50 mg/l	<20 mg/l	
		Imhoff Sediment Drijflaag				<=2 ml/l geen eis	<=2 ml/l nvt	<2 ml/l nvt	
		pH				5-8	6-8	5-9	
		Geleidbaarheid				geen eis	geen eis	geen eis	
		Chloride				<314 mg/l	<=4000 mg/l	<156 mg/l	
		Sulfaat				<79 mg/l	<=750 mg/l	<6 mg/l	
		Vet				<106 mg/l	nvt	??	
		Debiet	AWZI aflezing klaarmeester			<144 m3/dag	<=600 m3/dag	<288 m3/dag	
	Metingen QC-AWZI			Frequentie	Vergunning	Specificaties			
2e	Thermisch riool	CZV-totaal --> TOC		1x/week	nee	<=125 mg/l			Omrekenfactor voor TOC moet nog worden bepaald
		Nkj (=TNb - NO2 - NO3)				<=20 mg/l			
		P				<=1 mg/l			
		pH				6,5 - 8,0			

2e		Geleidbaarheid Chloride Sulfaat			300-800 µS/cm 40-70 mg/l 20-80 mg/l	
	Metingen QC-AWZI		Frequentie	Vergunning	Specificaties	
2f	Afvalwater compostering	CZV-totaal --> TOC Nkj (=TNb - NO2 - NO3) P	1x/week	nee		Omrekenfactor voor TOC moet nog worden bepaald

Analyses worden **1x/2 maand** in opdracht van North Water uitgevoerd door Waterlab Noord.
Ruw Water-opppervlakte water
Geen specificaties

Temperatuur	graden (
Zuurstof elektrochemisch	mg/l
Troebelheid	FTU
Zuurgraad	pH
Zuurgraad berekend	pH
Elektrisch geleidend vermogen bij 20 C	mS/m
Chloride	mg/l
Sulfaat	mg/l
Ammonium	mg/l
Ammonium (in N)	mg N/l
Aluminium	ug/l
Arseen	ug/l
Cadmium	ug/l
Calcium	mg/l
Kwik	ug/l
Lood	ug/l
Magnesium	mg/l
Mangaan	mg/l
IJzer	mg/l
Totale hardheid	dH
D.O.C.	mg/l
UV absorptie bij 254 nm	abs/m
Kleur bij 455 nm	mg Pt-C
E.coli mbv MPN	kve/100
Koloniegetal bij 22 C (verdund)	kve/ml
Bemonsteringswijze	
Legionella (slecht filtreerbaar)	kve/l
Legionella identificatie	
- Legionella pneumophila	kve/l
Type tappunt	
Adsorbeerbare organohalogenen	umol/l
Som Aromaten/alifaten	ug/l
Som BTEX	ug/l
Som trihalogeenmethanen	ug/l
Som vluchtige organohalogeenverbindingen	ug/l
Chloorfenolen	
- 2,3-dichloorfenol	ug/l
- 2,4+2,5-dichloorfenol	ug/l
- 2,6-dichloorfenol	ug/l
- 3,4-dichloorfenol	ug/l
- 3,5-dichloorfenol	ug/l
- 2,3,4-trichloorfenol	ug/l
- 2,3,5-trichloorfenol	ug/l

- 2,3,5-trichloorfenol	ug/l
- 2,3,6-trichloorfenol	ug/l
- 2,4,5-trichloorfenol	ug/l
- 2,4,6-trichloorfenol	ug/l
- 3,4,5-trichloorfenol	ug/l
- 2,3,4,6-tetrachloorfenol	ug/l
- 2,3,4,5+2,3,5,6-tetrachloorfenol	ug/l
- pentachloorfenol	ug/l
- 4-chloor-2-methylfenol	ug/l
- 4-chloor-3-methylfenol	ug/l
- 2-chloorfenol	ug/l
- 3-chloorfenol	ug/l
- 4-chloorfenol	ug/l
Som Fenolen	ug/l
Chloorbestrijdingsmiddelen	
- a-HCH	ug/l
- b-HCH	ug/l
- d-HCH	ug/l
- g-HCH (lindaan)	ug/l
- HCB	ug/l
- Pentachloronnitrobenzene(PCNB)	ug/l
- dichlobenil	ug/l
- aldrin	ug/l
- dieldrin	ug/l
- endrin	ug/l
- heptachloor	ug/l
- cis-heptachloorepoxide	ug/l
- trans-heptachloorepoxide	ug/l
- a-endosulfan	ug/l
- b-endosulfan	ug/l
- op-DDE	ug/l
- pp-DDE	ug/l
- op-DDD	ug/l
- pp-DDD	ug/l
- op-DDT	ug/l
- pp-DDT	ug/l
- pentachloorbenzeen	ug/l
- tecnazeen	ug/l
- propachloor	ug/l
- alachloor	ug/l
- metazachloor	ug/l
- cis-permethrin	ug/l
- trans-permethrin	ug/l
- 2,6-dichloor-4-nitroaniline (Dichloran)	ug/l
- metolachloor	ug/l
- isobenzan (telodrin)	ug/l
- mirex	ug/l
- methoxychloor	ug/l
- pentachlooraniline	ug/l
- PCB-28	ug/l
- PCB-52	ug/l

- PCB-52	ug/l
- PCB-101	ug/l
- PCB-118	ug/l
- PCB-138	ug/l
- PCB-153	ug/l
- PCB-180	ug/l
- 2,6-dichloorbenzamide (BAM)	ug/l
- isodrin	ug/l
- vinchlozolin	ug/l
- cis-chloordaan	ug/l
- trans-chloordaan	ug/l
- e-HCH	ug/l
Som Chloorbestrijdingsmiddelen	ug/l
Som PCB	ug/l
N/P bestrijdingsmiddelen, GC/MS	
- ametryn	ug/l
- atrazine	ug/l
- atrazine-desethyl	ug/l
- atrazine-desisopropyl	ug/l
- benazolin-ethylester	ug/l
- bromophos-ethyl	ug/l
- bromophos-methyl	ug/l
- chlorpyrifos-ethyl	ug/l
- chlorpyrifos-methyl	ug/l
- cis-mevinfos	ug/l
- trans-mevinfos	ug/l
- cis-chloorfenvinphos	ug/l
- cyanazine	ug/l
- deltametrin	ug/l
- demeton-S-methyl	ug/l
- desmetryn	ug/l
- diazinon	ug/l
- dichloorvos	ug/l
- disulfoton	ug/l
- ethion	ug/l
- ethoprofos	ug/l
- etrimphos	ug/l
- fenchloorphos	ug/l
- fenitrothion	ug/l
- fenthion	ug/l
- fonofos	ug/l
- hexazinon	ug/l
- malathion	ug/l
- methacrifos	ug/l
- methidathion	ug/l
- metribucin	ug/l
- parathion-ethyl	ug/l
- parathion-methyl	ug/l
- penconazool	ug/l

- penconazool	ug/l
- phoraat	ug/l
- pirimiphos-methyl	ug/l
- prometon	ug/l
- prometryn	ug/l
- propazine	ug/l
- pyrazophos	ug/l
- simazine	ug/l
- sulfotep	ug/l
- terbutryn	ug/l
- terbutylazine	ug/l
- tetrachloorvinphos	ug/l
- tolclofos-methyl	ug/l
- trans-chloorfenvinphos	ug/l
- triadimefon	ug/l
- triadimenol	ug/l
- triazophos	ug/l
- trichloronat	ug/l
- trietazine	ug/l
- trifluralin	ug/l
PAK	
- naftaleen	ug/l
- acenaftyleen	ug/l
- acenafteen	ug/l
- fluoreen	ug/l
- fenantreen	ug/l
- antraceen	ug/l
- fluoranteen	ug/l
- pyreen	ug/l
- benzo(a)antraceen	ug/l
- chryseen	ug/l
- benzo(b)fluoranteen	ug/l
- benzo(k)fluoranteen	ug/l
- benzo(a)pyreen	ug/l
- dibenzo(ah)antraceen	ug/l
- benzo(ghi)peryleen	ug/l
- indeno(1,2,3-cd)pyreen	ug/l
Som PAK	ug/l
PAK, som van 10 (WLB)	ug/l
Amines	
- aniline	ug/l
- 2,3+3,4-dimethylaniline	ug/l
- 2,4+2,5+2,6+3,5-dimethylaniline	ug/l
- 2,4,6-trimethylaniline	ug/l
- m-toluidine	ug/l
- o+p-toluidine	ug/l
- N-methylaniline	ug/l
- N,N-dimethylaniline	ug/l
- N,N-dimethylbenzylamine	ug/l
- N-ethylaniline	ug/l
- N,N-diethylaniline	ug/l

N,N-diethylaniline	ug/l
- 2,6-diethylaniline	ug/l
- 4-isopropylaniline	ug/l
- dibenzylamine	ug/l
- tribenzylamine	ug/l
- 2-chlooraniline	ug/l
- 3-chlooraniline	ug/l
- 4-chlooraniline	ug/l
- 2,3-dichlooraniline	ug/l
- 2,4+2,5-dichlooraniline	ug/l
- 2,6-dichlooraniline	ug/l
- 3,4-dichlooraniline	ug/l
- 3,5-dichlooraniline	ug/l
- 2,3,4-trichlooraniline	ug/l
- 2,4,5-trichlooraniline	ug/l
- 2,4,6-trichlooraniline	ug/l
- 3,4,5-trichlooraniline	ug/l
- 2,3,4,5-tetrachlooraniline	ug/l
- 2,3,5,6-tetrachlooraniline	ug/l
- 3-chloor-4-methoxyaniline	ug/l
- 3-chloor-4-methylaniline	ug/l
- 4+5-chloor-2-methylaniline	ug/l
- 3,3'-dichloorbenzydine	ug/l
- 4-broomaniline	ug/l
- o-anisidine	ug/l
- 2-nitroaniline	ug/l
- 3-nitroaniline	ug/l
- 4-methoxy-2-nitroaniline	ug/l
- 4-methyl-2-nitroaniline	ug/l
- 4-methyl-3-nitroaniline	ug/l
- 2-phenylsulfonaniline	ug/l
- dichloran	ug/l
- pentachlooraniline	ug/l
Som Amines	ug/l
N/P bestrijdingsmiddelen, LC/MS	
- azinphos-ethyl	ug/l
- azinphos-methyl	ug/l
- bifenox	ug/l
- bromacil	ug/l
- chloridazon	ug/l
- dimethoaat	ug/l
- spiromesifen	ug/l
- thiabendazool	ug/l
- paraoxon-ethyl	ug/l
- paraoxon-methyl	ug/l
Som gemeten N/P-bestrijdingsmiddelen	ug/l
Som gemeten pesticiden	ug/l

C

o/l
ml

Analyses worden **1x/2 maand** in opdracht van North Water uitgevoerd door Waterlab Noord.
Rein water-water North Water

Temperatuur	graden
Zuurstof elektrochemisch	mg/l
Troebelheid	FTU
Zuurgraad	pH
Zuurgraad berekend	pH
Elektrisch geleidend vermogen bij 20 C	mS/m
Chloride	mg/l
Sulfaat	mg/l
Ammonium	mg/l
Ammonium (in N)	mg N/l
Aluminium	ug/l
Arseen	ug/l
Cadmium	ug/l
Calcium	mg/l
Kwik	ug/l
Lood	ug/l
Magnesium	mg/l
Mangaan	mg/l
IJzer	mg/l
Totale hardheid	dH
D.O.C.	mg/l
UV absorptie bij 254 nm	abs/m
Kleur bij 455 nm	mg Pt-C
Koloniegetal bij 22 C	kve/ml
Bacterien van de coligroep 37 C	kve/100
E.coli	kve/100
Verdachte kolonies Enterokokken, MF	kve/100
Enterokokken	kve/100
Bemonsteringswijze	
Legionella	kve/l
Type tappunt	
Adsorbeerbare organohalogenen	umol/l
Som Aromaten/alifaten	ug/l
Som BTEX	ug/l
Som trihalogeenmethanen	ug/l
Som vluchtige organohalogeenverbindingen	ug/l
Chloorfenolen	
- 2,3-dichloorfenol	ug/l
- 2,4+2,5-dichloorfenol	ug/l
- 2,6-dichloorfenol	ug/l
- 3,4-dichloorfenol	ug/l
- 3,5-dichloorfenol	ug/l
- 2,3,4-trichloorfenol	ug/l
- 2,3,5-trichloorfenol	ug/l

- 2,3,5-trichloorfenol	ug/l
- 2,3,6-trichloorfenol	ug/l
- 2,4,5-trichloorfenol	ug/l
- 2,4,6-trichloorfenol	ug/l
- 3,4,5-trichloorfenol	ug/l
- 2,3,4,6-tetrachloorfenol	ug/l
- 2,3,4,5+2,3,5,6-tetrachloorfenol	ug/l
- pentachloorfenol	ug/l
- 4-chloor-2-methylfenol	ug/l
- 4-chloor-3-methylfenol	ug/l
- 2-chloorfenol	ug/l
- 3-chloorfenol	ug/l
- 4-chloorfenol	ug/l
Som Fenolen	ug/l
Chloorbestrijdingsmiddelen	
- a-HCH	ug/l
- b-HCH	ug/l
- d-HCH	ug/l
- g-HCH (lindaan)	ug/l
- HCB	ug/l
- Pentachloronnitrobenzene(PCNB)	ug/l
- dichlobenil	ug/l
- aldrin	ug/l
- dieldrin	ug/l
- endrin	ug/l
- heptachloor	ug/l
- cis-heptachloorepoxide	ug/l
- trans-heptachloorepoxide	ug/l
- a-endosulfan	ug/l
- b-endosulfan	ug/l
- op-DDE	ug/l
- pp-DDE	ug/l
- op-DDD	ug/l
- pp-DDD	ug/l
- op-DDT	ug/l
- pp-DDT	ug/l
- pentachloorbenzeen	ug/l
- tecnazeen	ug/l
- propachloor	ug/l
- alachloor	ug/l
- metazachloor	ug/l
- cis-permethrin	ug/l
- trans-permethrin	ug/l
- 2,6-dichloor-4-nitroaniline (Dichloran)	ug/l
- metolachloor	ug/l
- isobenzan (telodrin)	ug/l
- mirex	ug/l
- methoxychloor	ug/l
- pentachlooraniline	ug/l
- PCB-28	ug/l
- PCB-52	ug/l

- PCB-52	ug/l
- PCB-101	ug/l
- PCB-118	ug/l
- PCB-138	ug/l
- PCB-153	ug/l
- PCB-180	ug/l
- 2,6-dichloorbenzamide (BAM)	ug/l
- isodrin	ug/l
- vinchlozolin	ug/l
- cis-chloordaan	ug/l
- trans-chloordaan	ug/l
- e-HCH	ug/l
Som Chloorbestrijdingsmiddelen	ug/l
Som PCB	ug/l

N/P bestrijdingsmiddelen, GC/MS	
- ametryn	ug/l
- atrazine	ug/l
- atrazine-desethyl	ug/l
- atrazine-desisopropyl	ug/l
- benazolin-ethylester	ug/l
- bromophos-ethyl	ug/l
- bromophos-methyl	ug/l
- chlorpyrifos-ethyl	ug/l
- chlorpyrifos-methyl	ug/l
- cis-mevinfos	ug/l
- trans-mevinfos	ug/l
- cis-chloorfenvinphos	ug/l
- cyanazine	ug/l
- deltametrin	ug/l
- demeton-S-methyl	ug/l
- desmetryn	ug/l
- diazinon	ug/l
- dichloorvos	ug/l
- disulfoton	ug/l
- ethion	ug/l
- ethoprofos	ug/l
- etrimphos	ug/l
- fenchloorphos	ug/l
- fenitrothion	ug/l
- fenthion	ug/l
- fonofos	ug/l
- hexazinon	ug/l
- malathion	ug/l
- methacrifos	ug/l
- methidathion	ug/l
- metribucin	ug/l
- parathion-ethyl	ug/l
- parathion-methyl	ug/l
- penconazool	ug/l

- phoraat	ug/l
- pirimiphos-methyl	ug/l
- prometon	ug/l
- prometryn	ug/l
- propazine	ug/l
- pyrazophos	ug/l
- simazine	ug/l
- sulfotep	ug/l
- terbutryn	ug/l
- terbutylazine	ug/l
- tetrachloorvinphos	ug/l
- tolclofos-methyl	ug/l
- trans-chloorfenvinphos	ug/l
- triadimefon	ug/l
- triadimenol	ug/l
- triazophos	ug/l
- trichloronat	ug/l
- trietazine	ug/l
- trifluralin	ug/l
PAK	
- naftaleen	ug/l
- acenaftyleen	ug/l
- acenafteen	ug/l
- fluoreen	ug/l
- fenantreen	ug/l
- antraceen	ug/l
- fluoranteen	ug/l
- pyreen	ug/l
- benzo(a)antraceen	ug/l
- chryseen	ug/l
- benzo(b)fluoranteen	ug/l
- benzo(k)fluoranteen	ug/l
- benzo(a)pyreen	ug/l
- dibenzo(ah)antraceen	ug/l
- benzo(ghi)peryleen	ug/l
- indeno(1,2,3-cd)pyreen	ug/l
Som PAK	ug/l
PAK, som van 10 (WLB)	ug/l
Amines	
- aniline	ug/l
- 2,3+3,4-dimethylaniline	ug/l
- 2,4+2,5+2,6+3,5-dimethylaniline	ug/l
- 2,4,6-trimethylaniline	ug/l
- m-toluidine	ug/l
- o+p-toluidine	ug/l
- N-methylaniline	ug/l
- N,N-dimethylaniline	ug/l
- N,N-dimethylbenzylamine	ug/l
- N-ethylaniline	ug/l
- N,N-diethylaniline	ug/l
- 2,6-diethylaniline	ug/l

- 2,6-diethylaniline	ug/l
- 4-isopropylaniline	ug/l
- dibenzylamine	ug/l
- tribenzylamine	ug/l
- 2-chlooraniline	ug/l
- 3-chlooraniline	ug/l
- 4-chlooraniline	ug/l
- 2,3-dichlooraniline	ug/l
- 2,4+2,5-dichlooraniline	ug/l
- 2,6-dichlooraniline	ug/l
- 3,4-dichlooraniline	ug/l
- 3,5-dichlooraniline	ug/l
- 2,3,4-trichlooraniline	ug/l
- 2,4,5-trichlooraniline	ug/l
- 2,4,6-trichlooraniline	ug/l
- 3,4,5-trichlooraniline	ug/l
- 2,3,4,5-tetrachlooraniline	ug/l
- 2,3,5,6-tetrachlooraniline	ug/l
- 3-chloor-4-methoxyaniline	ug/l
- 3-chloor-4-methylaniline	ug/l
- 4+5-chloor-2-methylaniline	ug/l
- 3,3'-dichloorbenzydine	ug/l
- 4-broomaniline	ug/l
- o-anisidine	ug/l
- 2-nitroaniline	ug/l
- 3-nitroaniline	ug/l
- 4-methoxy-2-nitroaniline	ug/l
- 4-methyl-2-nitroaniline	ug/l
- 4-methyl-3-nitroaniline	ug/l
- 2-phenylsulfonaniline	ug/l
- dichloran	ug/l
- pentachlooraniline	ug/l
Som Amines	ug/l
N/P bestrijdingsmiddelen, LC/MS	
- azinphos-ethyl	ug/l
- azinphos-methyl	ug/l
- bifenox	ug/l
- bromacil	ug/l
- chloridazon	ug/l
- dimethoaat	ug/l
- spiromesifen	ug/l
- thiabendazool	ug/l
- paraoxon-ethyl	ug/l
- paraoxon-methyl	ug/l
Som gemeten N/P-bestrijdingsmiddelen	ug/l
Som gemeten pesticiden	ug/l

C	
	< 2
	6.8 - 9
	< 200
	< 10
	< 5
	< 1
	< 10
	< 0.03
	< 0.05
	< 10
:o/l	< 20
	< 100
)ml	0
)ml	0
)ml	
)ml	
	< 100
	< 1
	< 0.1

< 0.1

< 0.1

< 1

< 0.1