

1785-44  
tab 13

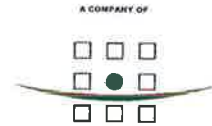
## **Tekeningen**

Vopak Terminal Westpoort B.V.

Vopak Oil Europe, Middle East & Africa B.V.

September 2007  
Definitief rapport  
9S2432





**ROYAL HASKONING**

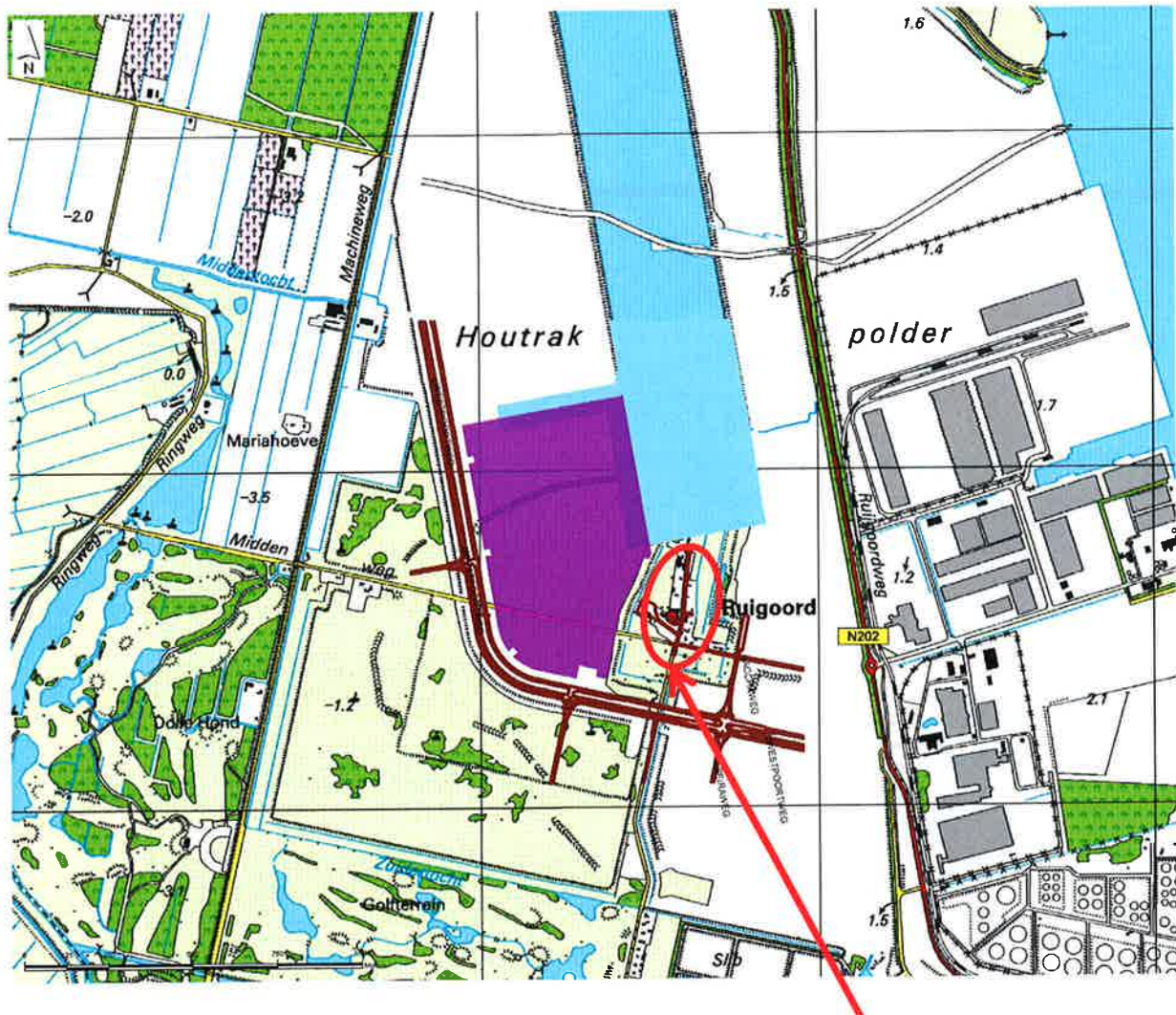
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Vopak Terminal Westpoort B.V.  
Projectnummer 9S2432  
Auteur(s)  
Opdrachtgever Vopak Oil Europe, Middle East & Africa B.V.  
Referentie 9S2432/R0001/HvN/Rott1

Auteur(s) E. Theunisse  
Collegiale toets J.R. van Niekerk  
Datum/paraaf 7 september 2007  
Vrijgegeven door J.R. van Niekerk  
Datum/paraaf 7 september 2007

Tekening 1 Omgevingstekening met (beperkt) kwetsbare objecten



Activiteiten die onder de  
classificatie "beperkt  
kwetsbaar object" vallen



**Tekening 2 Inrichting terrein**







GENERAL REMARKS

- +---+--- FENCE FINAL
- REFERENCE POINT
- TANKS FASE 1
- ⊗ TANKS FASE 2
- ▨ LEIDINGSTRAAT VERDIEPT
- ▩ LEIDINGSTRAAT IN TANKPUT
- ▧ TANKPUT DIJK
- OFFICE / CCR = KANTOOR / CENTRALE CONTROLE KAMER
- WWT = WATERZUIVERING
- 16 = LOSPLAATS BUTAANTRUCK
- N2 UNLOADING AREA = STIKSTOF LOSPLAATS
- VRU = DAMPVERWERKINGSINSTALLATIE



ISSUE	DATE	DRAWN	CHECKED	DESCRIPTION
E	05-06-2007	WVRK	ADRN	COMMENTS ADDED
D	03-05-2007	WVRK	ADRN	PEER REVIEW COMMENTS ADDED
C	16-03-2007	WVRK	ADRN	PEER REVIEW COMMENTS ADDED
B	11-01-2007	KTNG	MLMS	FOR TENDER
A	21-11-2006	KTNG	MLMS	FOR COMMENTS
0		KTNG	MLMS	FOR COMMENTS

**Vopak** Vopak Terminal Westpoort  
Vopak Oil EMEA B.V.

TITLE SITE LAYOUT t.b.v. VERGUNNING

SCALE	DATE	FORMAT	ARCH.NR	36249.00	SHEET	001
DRAWN WVRK			DRAWINGNR		OF	
CHECKED ADRN		A1		1162100	ISSUE	E











**Tekening 3 Riolering, AWZI en lozingspunten**

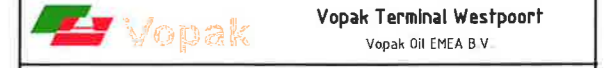




- GENERAL REMARKS**
- washwater piping (PE) / regen water riool
  - - - drain (with alsatwraspa) (PE) / drainage leiding
  - cleanwatersewer (PVC) / schoon water riool
  - PVC Ø160
  - valve / klap
  - 
 catch basin in tankpit / opvang put in tankput  
 incl. pump (for rw — wvt) / incl. pomp (voor rw — wvt)  
 incl. valve (for rw — harbour) / incl. klap (voor rw — haven)
  - 
 outlet / uitlaat
  - 
 outlet / uitlaat
  - 
 slope HPDE membrane tankpits / afschot HPDE membraan tankput
  - 
 pit (including check valve) for / put (met terug slag klap)  
 - flow measurement / doorsloot meting  
 - sample distraction / monster vertaling
  - 
 gully / goot



E	05-06-2007	WVRK	ADRN	COMMENTS ADDED
D	03-05-2007	WVRK	ADRN	PEER REVIEW COMMENTS ADDED
C	16-03-2007	WVRK	ADRN	PEER REVIEW COMMENTS ADDED
B	11-01-2007	KTNG	MLMS	FOR TENDER
A	21-11-2006	KTNG	MLMS	FOR COMMENTS
0		KTNG	MLMS	FOR COMMENTS
ISSUE	DATE	DRAWN	CHECKED	DESCRIPTION



TITLE  
**SITE LAYOUT  
 DISCHARGE RAINWATER**

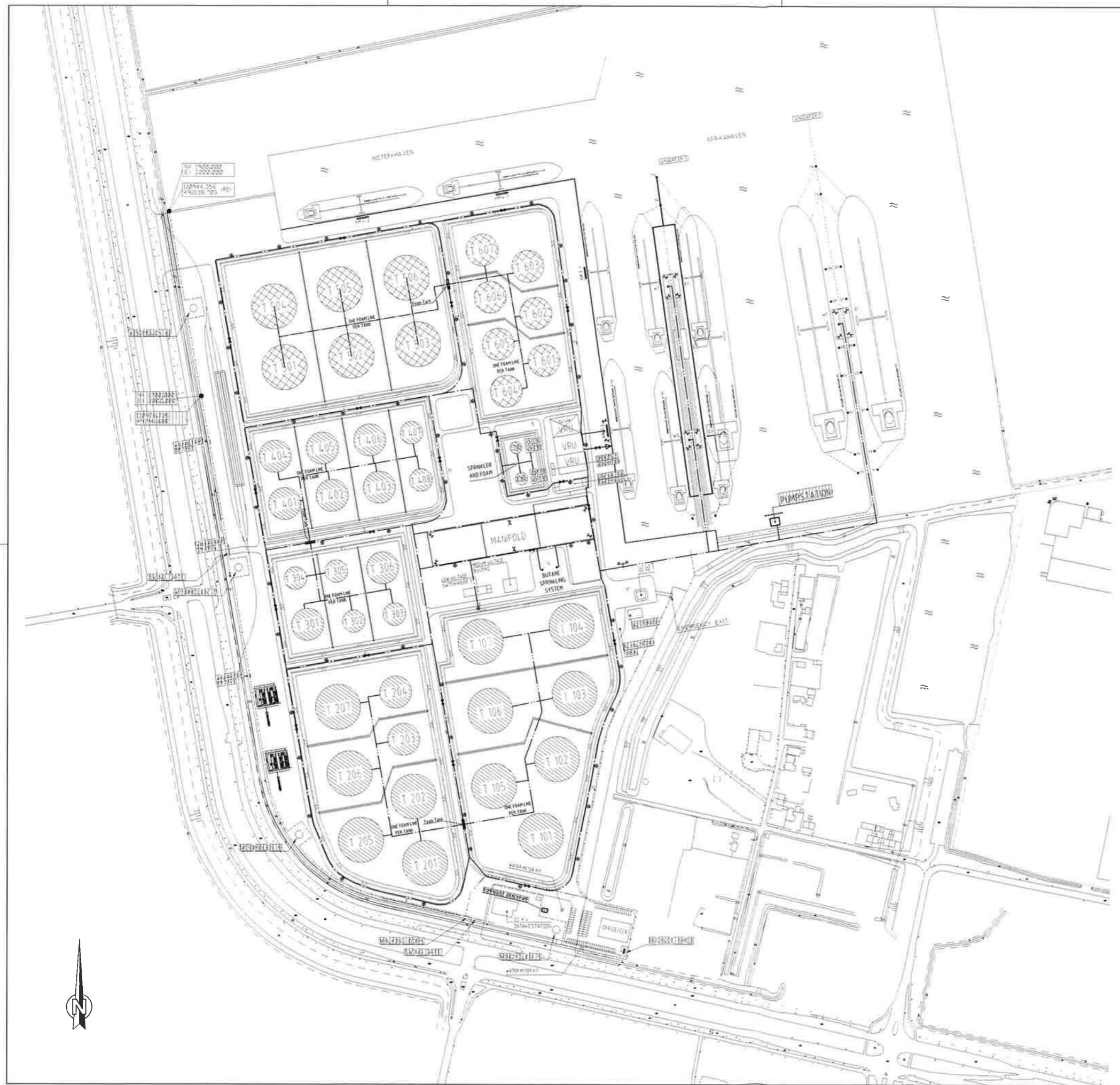
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DRAWN: WVRK			DRAWINGNR: 1962005	OF:
CHECKED: ADRN				ISSUE: E



Tekening 4 Brandblusvoorzieningen







**GENERAL REMARKS**

- brandblusleiding (GRE) (UG)
- brandblusleiding (CS, galvanized) (AG)
- hydrant
- ⊥ schuimkanon
- ← sprinkler
- ↔ valve / afsluiter
- outlet



ISSUE	DATE	DRAWN	CHECKED	DESCRIPTION
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D	03-05-2007	WVRK	ADRN	PEER REVIEW COMMENTS ADDED
C	16-03-2007	WVRK	ADRN	PEER REVIEW COMMENTS ADDED
B	11-01-2007	KTNG	MLMS	FOR TENDER
A	21-11-2006	KTNG	MLMS	FOR COMMENTS
0		KTNG	MLMS	FOR COMMENTS

**Vopak** Vopak Terminal Westport  
Vopak Oil ENEA B.V.

TITLE: **SITE LAYOUT UNDERGROUND FIRE WATER PIPING**

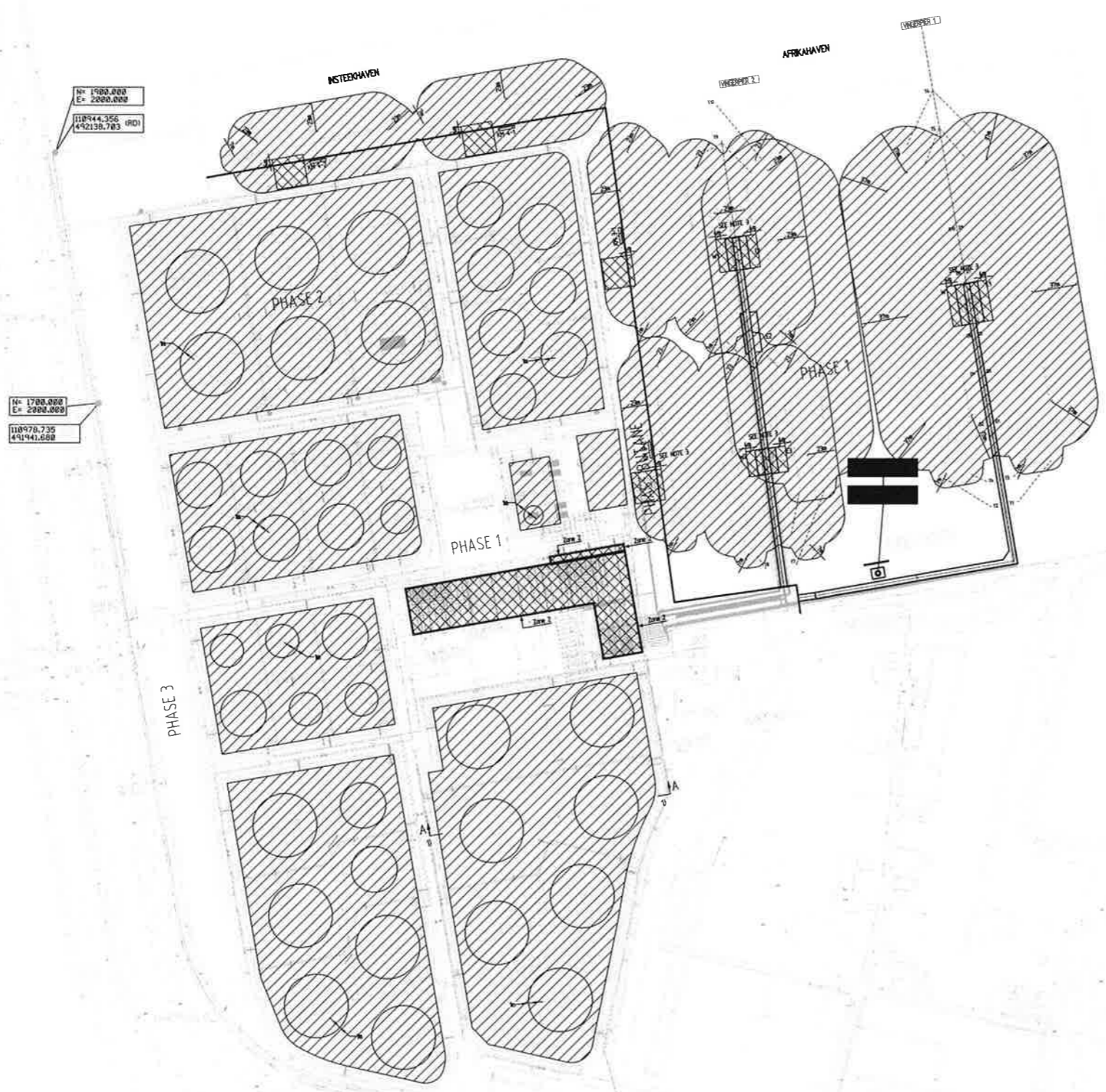
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CHECKED: ADRN			1962001	ISSUE: E



**Tekening 5 Gevarenzone-indeling (ATEX)**





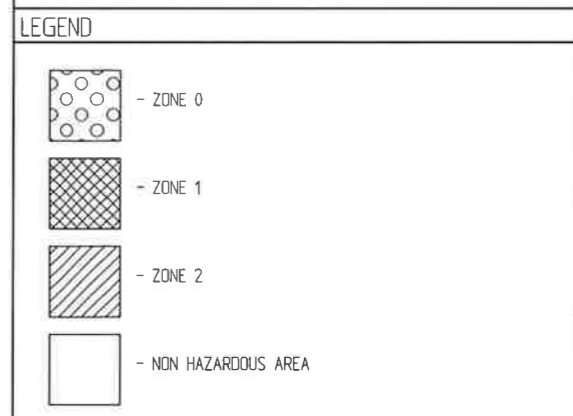


**GENERAL REMARKS**

1) FOR DETAIL SEE DWG 4171002

2) THE POSITION OF TANK VENTS ON SHIP ARE NOT IN THE AREA 2 METER FROM SIDE SHIP OR AT FRONT AND BACK OF SHIP.

3) HAZARDOUS AREA (ZONE 1) FROM MANFOLD ON SHIP IS 2 METER ROUND THE MANFOLD.



ISSUE	DATE	DRAWN	CHECKED	DESCRIPTION
C	04-06-07	BHK		HAZARDOUS AREA UPDATED FOR PHASE 2
B	07-05-07	BHK		HAZARDOUS AREA UPDATED
A	11-01-07	BHK		FOR TENDER
0	05-10-06	RG		FOR COMMENTS

**Vopak** Vopak Terminal Westpoort  
Vopak Shared Services B.V.

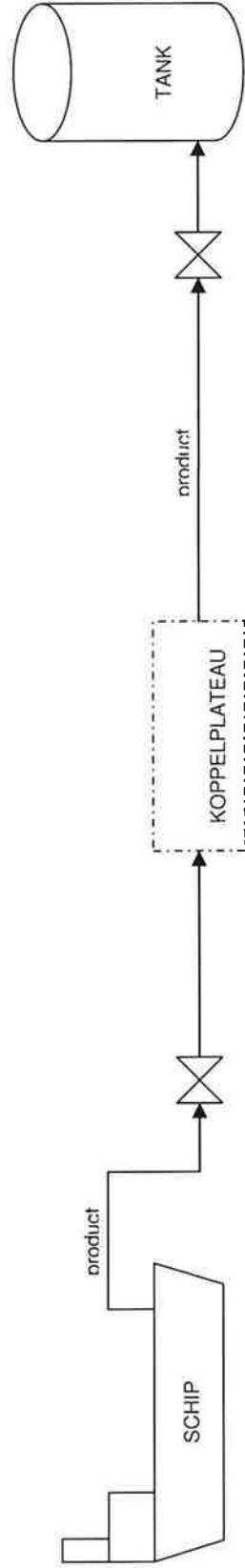
TITLE: HAZARDOUS AREAS LAYOUT

SCALE	DATE	FORMAT	ARCH.NR.	36249.00	SHEET	001
DRAWN: RGG	05-10-06	A1	DRAWING NR.	4171001	DF	001
CHECKED:					ISSUE	B

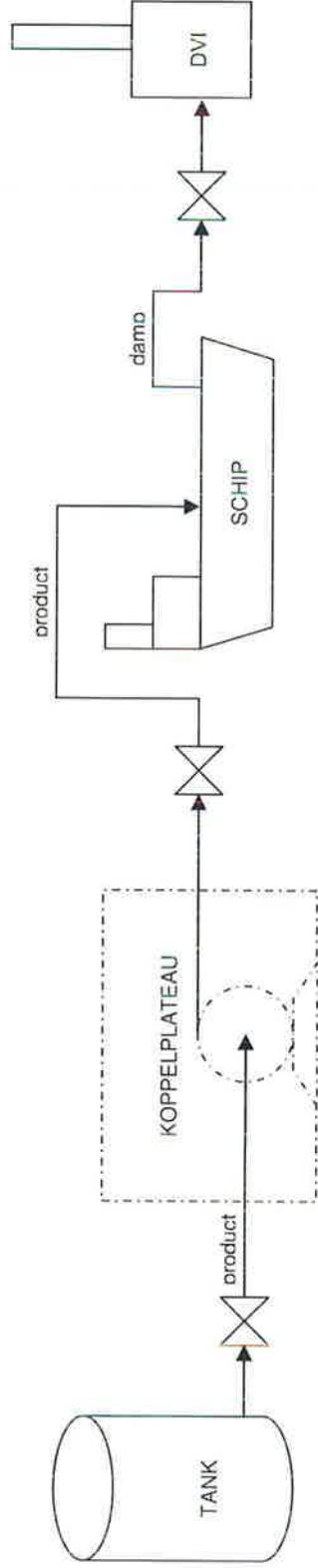
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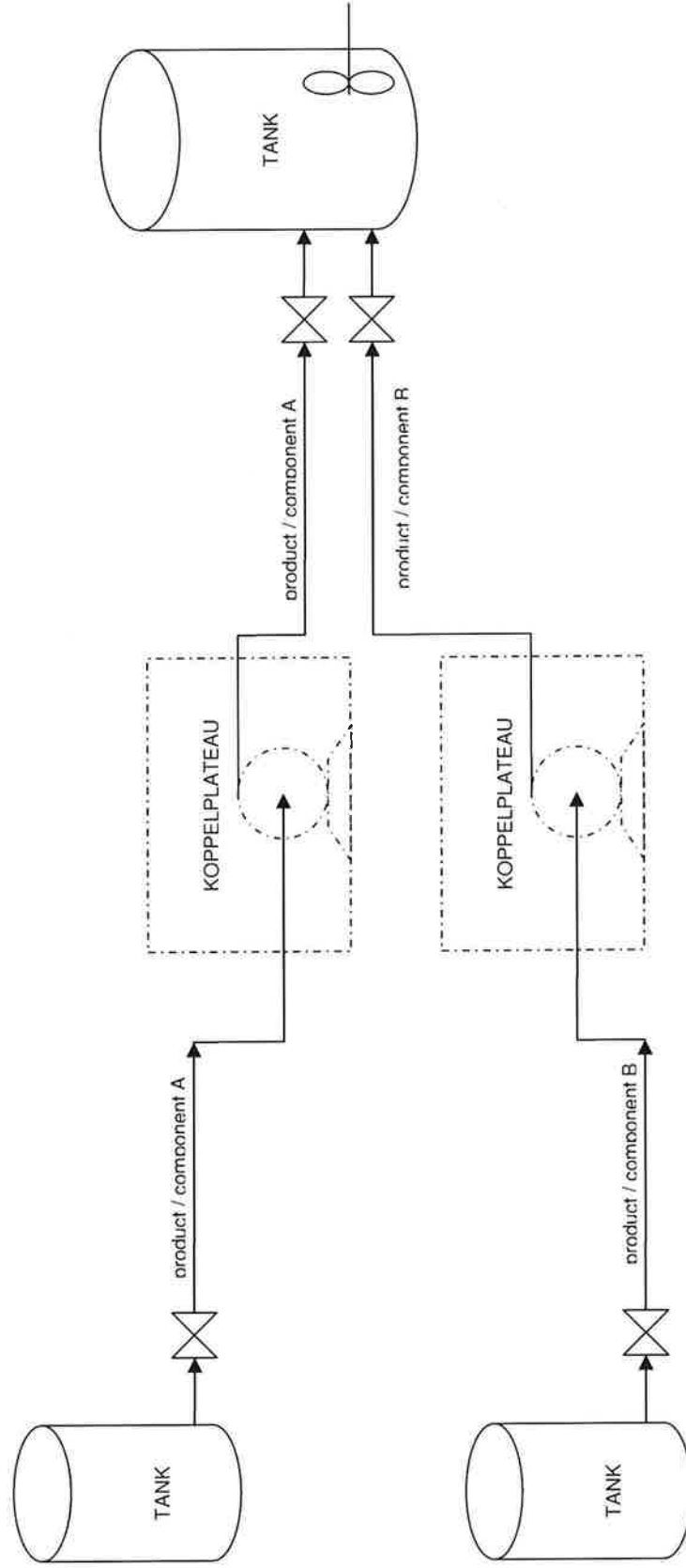
Tekening 6 Vereenvoudigde proces flow diagrammen – 1: Lossen van een schip



Tekening 6 Vereenvoudigde proces flow diagrammen – 2: Laden van een schip



Tekening 6 Vereenvoudigde proces flow diagrammen – 3: Blenden





Tekening 6 Vereenvoudigde proces flow diagrammen – 4: Butaniseren

