Acronyms (add to list as needed for your project)

bbl	barrel
CO2e	Carbon dioxide equivalents
CO	Carbon monoxide
CTG	Combustion turbine generator
dscf	Dry standard cubic feet
EPN	Emission point number
EFR	External floating roof
gr	Grain
GHG	Greenhouse gases
hr	Hour
H2S	Hydrogen sulfide
IFR	Internal floating roof
Pb	lead
MSS	Maintenance, startup, shutdown

MW	Megawatt
MWh	Megawatt hour
MMBtu	Million British thermal units
NOx	Nitrogen oxides
O2	Oxygen
PM/PM10/PM2.5	Particulate matter, including PM equal to or less than 10 or 2.5 microns in diameter
ppm	Parts per million
lb	Pound
SCR	Selective catalytic reduction
SO2	Sulfur dioxide
H2SO4	Sulfuric acid
tpy	Tons per year
VOC	Volatile organic compounds

Facility Information

Company Name	The Dow Chemical Company
Facility Name	Light Hydrocarbon 7
Project Description (only address units requiring federal review)	Increase natural gas flow to both flares and to convert the small flare (EPN B72L7F1) from steam-assist to non-assist. Correct flare MSS emissions and cracking furnace decoking emissions.
Facility County	Brazoria
Facility Contact (Name, Phone Number)	Ms Cheryl Steves, (979) 238-5832
Your Contact Info (Name, Phone, Email)	Ms. Beth Akers, (512) 239-4620, Beth.Akers@tceq.texas.gov
Permit Numbers (this list should match your CND header)	144784 and PSDTX994M1
Title V Permit Number (or not yet available)	O-2213
Permit Type (All Major & Minor permits)	Modify Existing Process at Existing Facility
Projected Second Public Notice Issuance Date	February 22, 2019
Projected Final Issuance Date	April 16, 2019
SIC Code	2869
NAICS Industry Code	325110
Facility Registry System Number (or not found)	110008170237
Nearest Class I Area	Caney Creek, AR
Distance from Facility to Nearest Class I Area	Greater than 250 km

Pollutants triggering major NSR permitting with this action

CO	* BACT * LAER * MACT

Source of emissions		**Large flare (EPN FS-1)**			
Process code for emission source listed above		**19.310**			
Primary fuel fired (if applicable)		**Natural Gas**			
Throughput with units (leave blank if confidential)					
Source notes (optional)					
Other applicable requirements -Can select multiple -List all applicable subchapters and subparts -Specify pollutants, if needed		* NSPS A * NESHAP * MACT A, SS, YY * Ch. 115 or 117 Click here to enter subchapter.			
Pollutant	**Test Method Blank = unspecified**	**Control Method (select more than one as needed)**	**Control Method Description**	**Other factors considered (health effects, etc.) Blank = none**	**Numeric Limit with units (required)**
CO		*Pollution Prevention *Add On Control *No control	Meet the design and operating requirements of 40 CFR §60.18.		FS-1 Routine (174.59 tpy) FS-1 MSS (100.10 tpy)

Source of emissions		**Small flare (EPN FS-2)**			
Process code for emission source listed above		**19.310**			
Primary fuel fired (if applicable)		**Natural Gas**			
Throughput with units (leave blank if confidential)					
Source notes (optional)					
Other applicable requirements -Can select multiple -List all applicable subchapters and subparts -Specify pollutants, if needed		* NSPS A * NESHAP * MACT A, SS, YY * Ch. 115 or 117 Click here to enter subchapter.			
Pollutant	**Test Method Blank = unspecified**	**Control Method (select more than one as needed)**	**Control Method Description**	**Other factors considered (health effects, etc.) Blank = none**	**Numeric Limit with units (required)**
CO		*Pollution Prevention *Add On Control *No control	Meet the design and operating requirements of 40 CFR §60.18.		FS-2 (38.25 tpy)

Source of emissions		**Decoking activity for Cracking Furnaces (EPNs B72SH1, B72SH2, B72SH3, B72SH, B72SH)**			
Process code for emission source listed above		**63.012**			
Primary fuel fired (if applicable)		**Plant fuel gas**			
Throughput with units (leave blank if confidential)					
Source notes (optional)					
Other applicable requirements -Can select multiple -List all applicable subchapters and subparts -Specify pollutants, if needed		* NSPS RRR * NESHAP J, V, FF * MACT A, SS, UU, XX, YY, GGGGG * Ch. 115 or 117 Click here to enter subchapter.			
Pollutant	**Test Method Blank = unspecified**	**Control Method (select more than one as needed)**	**Control Method Description**	**Other factors considered (health effects, etc.) Blank = none**	**Numeric Limit with units (required)**
CO		*Pollution Prevention *Add On Control *No control	During decoking activities, CO may emit up to 400 ppm on an hourly maximum, corrected to 3% oxygen; however, CO emissions will remain in compliance with the annual MAERT limits for CO, which are not changing and are based on 20 ppm. New hourly limit provided for decoking activities based on 400 ppm.		181.08 lb/hr per furnace Furnace Cap 158.65 tpy