

2007 Changes to the National Pollutant Release Inventory

New Substances

For the 2007 reporting year, there have been several changes made to the National Pollutant Release Inventory (NPRI). The following 10 substances shown on Table 1 below have been added to the NPRI.

Table 1: New NPRI Substances for 2007 Reporting Year

No.	Substance Name	CAS #	NPRI Reporting Reference
1	Total Reduced Sulphur (TRS)*	--	Part 1A Substance
2	Dibenzo(a,h)acridine	226-36-8	Part 2 Polycyclic Aromatic Hydrocarbons
3	Dibenzo(a,e)fluoranthene	5385-75-1	Part 2 Polycyclic Aromatic Hydrocarbons
4	Dibenzo(a,e)pyrene	192-65-4	Part 2 Polycyclic Aromatic Hydrocarbons
5	Dibenzo(a,h)pyrene	189-64-0	Part 2 Polycyclic Aromatic Hydrocarbons
6	Dibenzo(a,l)pyrene	191-30-0	Part 2 Polycyclic Aromatic Hydrocarbons
7	7,12-Dimethylbenz(a)anthracene	57-97-6	Part 2 Polycyclic Aromatic Hydrocarbons
8	3-Methylcholanthrene	56-49-5	Part 2 Polycyclic Aromatic Hydrocarbons
9	5-Methylchrysene	3697-24-3	Part 2 Polycyclic Aromatic Hydrocarbons
10	1-Nitropyrene	5522-43-0	Part 2 Polycyclic Aromatic Hydrocarbons

* TRS includes hydrogen sulphide (H₂S), carbon disulphide (CS₂), carbonyl sulphide (COS), dimethyl sulphide (C₂H₆S), mercaptans (CH₄S), and dimethyl disulphide (C₂H₆S₂).

Reporting Changes

All existing Part 3 dioxin and furan congeners (x17) will now be required to be reported on an individual basis and as an aggregate in total grams on a toxic equivalent (TEQ) basis.

For the 2007 reporting year, releases to air of PM_{2.5}, PM₁₀ and total particulate matter (TPM) listed in Part 4 of the NPRI from road dust must be reported where vehicles travelled more than 10,000 vehicle kilometres (VKT) on unpaved roads at the operator's contiguous facility.

Exemption Changes

The reporting exemption for pits and quarries has been removed. Thus, all mining activities at a facility must now be considered when reporting for NPRI Parts 1 through 5 substances. However, only pits and quarries with a production level threshold $\geq 500,000$ tonnes per year are required to report.

The definitions of "pit" and "quarry" are as follows:

"pit" means an excavation that is open to the air and that is operated for the purpose of extracting sand, clay, marl, earth, shale, gravel, stone or other rock but not coal, a coal-bearing substance, oil sands, or oil sands-bearing substance or an ammonite shell and includes any associated infrastructure, but does not include a quarry.

"quarry" means an excavation that is open to the air and that is operated for the purpose of working, recovering and extracting stone, limestone, sandstone, dolostone, marble, granite, construction materials and any mineral other than coal, a coalbearing substance, oil sands, or oils sands-bearing substance or an ammonite shell and includes any associated infrastructure but does not include a pit.

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Administrative Changes

The CAS Registry Number “64742-48-4” for Item 357 “Hydrotreated light distillate” in Part 5 (speciated VOCs) of Schedule 1 to the English version of the Canada Gazette Part 1 Notice (issued March 3, 2007) is replaced by the following: 64742-47-8.

Paragraph 14(a) in Part 2 of Schedule 3 to the English version of the notice

(a) information for groups 1, 2, 3 and 4 [these are not PAHs] as a whole, if information on individual substances listed in Part 2 [PAHs] of Schedule 1 is not available; and

is replaced by the following:

(a) information for the group as a whole, if information on individual substances listed in Part 2 of Schedule 1 [PAHs] is not available; and

Subsection 4(1) in Part 1 of Schedule 2 to the English version of the notice is replaced by the following:

*4. (1) A person subject to this notice shall report information in relation to a substance listed in Part 1 of Schedule 1 whether or not **[removed word ‘when’]** there is a release, disposal or transfer for recycling of the substance from a contiguous facility or offshore installation if, during 2007:*

How Can ORTECH Help?

ORTECH Environmental has a staff team with an excellent track record in successfully delivering emission inventories and supporting documentation, with extensive experience in the preparation of NPRI, GHG and Ontario Regulation 127/01 reports of varying magnitudes. Our more than 30-member staff has senior experience in relevant areas such as preparing emission inventories, source compliance testing, conducting dispersion modelling and air quality assessment services. Our project team can help consolidate and simplify your annual reporting requirements and ensure that your NPRI, GHG and O. Reg. 127/01 reports and supporting documentation are comprehensive and complete and submitted on time.

As the 2007 NPRI and Ontario Reg. 127/01 reporting deadline of June 1, 2008 is fast approaching, ORTECH would be glad to assess the reporting requirements for your facility and would be pleased to assist you in the preparation and submission of the required reports for your facility.

Should you have any questions on this or other issues with respect to the 2007 NPRI, GHG and O. Reg. 127/01 reporting year, please do not hesitate to contact us at 1-877-774-6560 or info@ortech.ca, or by contacting any of our consultants directly.